

# CANADIAN ASSOCIATION ON WATER QUALITY

## 2011 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 2011, the Association had 373 memberships, representing private, government and university sectors. These memberships were broken down as follows: 191 Individual CAWQ, 60 Individual joint CAWQ and IWA (our parent organization), 88 Student CAWQ, 7 Retired Joint CAWQ and IWA, 22 Student Joint CAWQ-IWA and 5 Corporate.

The mission of the Canadian Association on Water Quality (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

The Water Quality Research Journal of Canada (WQRJC) has been published continuously for 45 years, which makes it one of the oldest such peer-reviewed journals in the field, publishing in English and in French. Started as proceedings of the annual conference of the Canadian Association on Water Quality (CAWQ), it has evolved into a quarterly journal which attracts high-level papers from Canada and abroad. While the names of both the WQRJC and CAWQ have changed slightly over the years to reflect the trend of our international partner, the International Water Association (IWA), the Journal has been very closely tied to the CAWQ since its inception, both as a primary source of articles and through the formal arrangement of CAWQ as publisher. The WQRJC is provided free of charge to members of the CAWQ.

In light of many forces of change affecting our sponsor as well as the publishing industry, the CAWQ Board of Directors decided in mid-2010 to explore whether a closer link could be established with IWA Publishing (IWAP), the publishing arm of IWA in London, with a view to moving this component of the Journal to be under the IWAP umbrella. Although full editorial control would remain with CAWQ and the nature of the WQRJC would remain the same, both would benefit from the increased international exposure which IWAP offers, as well as the economies of scale resulting from an operation already involving 12 journals for the water sector.

Starting with Issue 1, Volume 46 (2011), publication of the WQRJC was undertaken by IWAP. The transition from Burlington to London will hardly be evident to authors, Associate Editors, reviewers, and readers, as the publishing software which we have been using for several years is the same as that used by IWAP. The submission website URL will also remain unchanged. Furthermore, our philosophies regarding subject matter and quality of articles match very closely.

Importantly, in an age of ever expanding access to information at an accelerated rate. moving to IWAP will allow us to achieve faster turn-around times to publish research as quickly as possible and make it available to readers. Having already overcome the backlog that has developed over the past few years, IWAP has committed to publish the journal on schedule and ensure efficient peer-review and fast publication, with submitted papers being published online within four months of acceptance. IWAP has assured the CAWQ that high quality papers submitted over the period closely following publication of this Issue 1, Volume 46 (2011) will have a high probability of being published in Issue 4 of the same volume, and that the aim is to publish all issues in their actual calendar year.

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 guest editors for Theme Issues. He is also assisted by Emma Gulseven, who was recently appointed as Managing Editor of the journal. Ms. Gulseven has had over ten years of experience at IWAP with journal publication. We welcome her on board and look forward to her contributions to the journal in the coming years.

There will be a total of 29 papers published in Volume 46 of the WQRJC 2011 that will be published and distributed to CAWQ members and to the more than 80 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, Mr. R. Gehr. This report can be viewed on the website at [www.cawq.ca](http://www.cawq.ca).

## THE CAWQ AND JOURNAL WEBSITES

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 (1966 to 2001) 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 CAWQ website, which was upgraded in 2011. A secure connection is now available for credit card information to be sent via the site. Please visit the 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 46<sup>th</sup> *Central Canadian Symposium on Water Quality Research* chaired by Dr Kirsten Exall was held in Burlington, Ontario at the Canadian Centre for Inland Waters on February 22 and 23, 2011. This symposium had 307 registrants. It was co-sponsored by the CAWQ and the National Water Research Institute. The 47<sup>th</sup> *Central Canadian Symposium* will also be chaired by Dr. Exall and will be held at the Canadian Centre for Inland Waters in Burlington, Ontario on February 21 and 22, 2012.
- The 26<sup>th</sup> *Eastern Regional Symposium* held October 7, 2011 at INRS-ETE in Quebec City had 91 registrants. The 27<sup>th</sup> *Eastern Regional Symposium* is being planned for mid to late October, 2012 in Sherbrooke, Quebec. This event is being organized by Dr Hubert Cabana of the University of Sherbrooke.
- A *Joint BCWWA – Pacific CAWQ/ACQE Regional Conference* was held in Kelowna, British Columbia from April 16-20, 2011. The next *Joint BCWWA – Pacific CAWQ/ACQE Regional Conference* will be held in Penticton, BC from April 21-25, 2012.
- CAWQ's new Atlantic Vice-President, Mr Peter McCarthy, is working on setting up an Atlantic Symposium to cover New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland, possibly in collaboration with the Atlantic Canada Water and Wastewater Association (ACWWA). The 2012 ACWWA conference will be held October 14-16 in Charlottetown, PEI.

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 was established in honour of a founding member of the association. The Award includes a certificate, a cash prize of \$200, a one-year joint membership in CAWQ and IWA, one-year subscriptions to the *Water Quality Research Journal of Canada* and *Water 21*, a 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 symposia held in 2011:

**Sepideh Jankhad**

University of British Columbia, Kelowna, British Columbia  
*12<sup>th</sup> Joint BCWWA - Pacific CAWQ/ACQE Conference:*

**Catherine Dielman**

McMaster University, Hamilton, Ontario  
*46<sup>th</sup> Central Canadian Symposium on Water Quality Research*

**Nilufar Islam**

University of British Columbia Okanagan, Kelowna, British Columbia  
*26<sup>th</sup> Eastern Canadian Symposium on Water Quality Research*

## 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

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. Please refer to "IWAPonline" for a complete list of online journals and the Water Reference Library for books and reports. These include the following :

- *Water Quality Research Journal of Canada* —The journal publishes peer-reviewed, scholarly articles dealing with the aquatic environment. Articles from outside of Canada are welcome provided that they are of interest to the Canadian water quality research community.
- *Water Research* — a world leading journal for research papers on all aspects of water quality and wastewater management.
- *Water Science & Technology* — a journal publishing selected proceedings from IWA’s conferences and directly submitted papers.
- *Water Science & Technology - Water Supply* — state of the art reports and scientific technical papers presented at IWA’s conferences and directly submitted papers.
- *Journal of Hydroinformatics* — 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.
- *Water Practice* — publishes, analysis, reviews and debates on all policy aspects of water resources.
- *Journal of Water and Climate Change* — publishes refereed research and practitioner papers on all aspects of water science, technology, management and innovation in response to climate change, with emphasis on reduction of energy usage.
- *Hydrology Research* — provides international coverage on all aspects of hydrology in its widest sense, and welcomes the submission of papers from across the subject. While emphasis is placed on studies of the hydrological cycle, the Journal also covers the physics and chemistry of water.
- *Water, Sanitation and Hygiene for Development* — is a peer-reviewed journal devoted to the dissemination of high-quality information on the science, policy and practice of drinking-water supply, sanitation and hygiene at local, national and international levels.

- *Water Asset Management International* — is an international newsletter focusing on asset management in water and wastewater utilities.
- *Water Utility Management International* — provides an international reference point on the strategic management issues affecting water utilities and on the leading management approaches from around the world aimed at responding to these issues.
- *Journal of Water Reuse and Desalination (JWRD)* — publishes refereed review articles, theoretical and experimental research papers, new findings and issues of unplanned and planned reuse.
- *Water Practice & Technology* — provides the widest possible dissemination of high-quality material that is of interest to practitioners rather than researchers.

## 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 (CNC) of the IAWQ and represented Canada on the IAWQ Governing Board. From 1998 to 2007, the CAWQ was the sole member of the CNC.

The Canadian Water and Wastewater Association (CWWA) is a national association with members from the water services sector, municipalities and regional organizations. This association shares with the CAWQ the common objectives of advancing and implementing knowledge for the provision of safe drinking water and the environmentally sound management of wastewater. After discussions between the CAWQ and CWWA, it was felt that the complementary objectives of the two organizations would be enhanced by establishing a framework for their collaboration. As a result, since 2007, the CWWA and the CAWQ have agreed to become partners of the CNC-IWA to better participate in the activities and promotion of the IWA.

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 Water Works Association, Western Canada Water, British Columbia Water and Waste Association, Réseau Environnement, to create opportunities for all organizations, and to raise the profile of the CAWQ.
- Support the development of symposia in the five regional divisions of Canada: Atlantic, Eastern, Central, Western, and Pacific.
- Actively engage in a national effort to develop an agenda on water research priorities in Canada.

- Continue to support and sponsor international and national specialty conferences related to water quality in Canada.
- Revise and improve its vision and supporting documents.

## REVENUE

The CAWQ has implemented a policy that requires students, who are by design significant participants in all CAWQ symposia, to become paid members of the CAWQ for the year as part of their symposium registration fee. This has increased student membership in the CAWQ with the goal being to retain higher numbers of them as members after they graduate. Student members of CAWQ have electronic access to the journal.

The Canadian National Committee (CNC) of IWA (CWWA is the equal joint member of CNC) now requires conferences that wish to have IWA or CNC endorsement to render a small fee to CNC, which is shared by the CAWQ and the CWWA.

## GOVERNANCE & ADMINISTRATION

The Board of Directors of the CAWQ is comprised of the Executive Committee and Regional Directors, as shown below. All individuals are volunteers and are appointed to these positions as per the Bylaws of the CAWQ. These bylaws can be found on the CAWQ website.

Ms. Janet McAvella is in charge of the Administration and Membership office of the CAWQ, located in Burlington, Ontario. 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.

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