



Canadian Association on Water Quality
Association canadienne sur la qualité de l'eau

2003 Annual Report

www.cawq.ca (English) or www.acqe.ca (French)

February 2004

Introduction

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 2002.

In 2003, the Association had 205 memberships, representing the private, government and university sectors, broken down as follows: 85 individual/student/retired CAWQ memberships; 108 joint individual/student/retired CAWQ-IWA memberships; 1 CAWQ sustaining and 11

CAWQ corporate memberships.

The primary mandate of the CAWQ is to promote research on (1) the scientific, technological, legal, and administrative aspects of water quality; (2) on the control and treatment of water pollution; and (3) to further the exchange of information and practical application of such research for the benefit of Canadians.

If you want to get involved in the activities of the CAWQ or have any questions, ideas or concerns to express, please contact us through our website or our membership office. (see back page). We want to hear from you.

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 the NWRI, the Association would not be able to continue publishing the journal. We are most grateful to the its Director General, Dr. John Carey, for his continuing support.

Change in Editor in Chief

Dr. Klaus Kaiser retired as Editor-in-Chief of the *Water Quality Research Journal of Canada* after nine years of dedicated service. Two of Dr.

Kaiser's major accomplishments as Editor-in-Chief were the development of a comprehensive website for the journal and the raising of the standing of the journal to international levels as recognized by the Institute for Scientific Information (ISI). He also spent a great deal of effort encouraging Associate Editors to promote manuscript submission to the journal by their colleagues.

Dr. Ronald Gehr, Associate Professor, Department of Civil Engineering and Applied Mechanics, McGill University, was appointed Editor-in-Chief of the WQRJC in November 2003. He will lead the overall editorial development of the journal and its readership growth efforts.

Sponsorship of Symposia and Conferences

The 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. Papers presented at the symposia may be submitted for publication in the *Water Quality Research Journal of Canada*.

The **38th Central Canadian Symposium on Water Quality Research** was held in Burlington, Ontario, on February 10 and 11, 2003. It was co-sponsored by the CAWQ and the NWRI. The symposium, which was attended by approximately 225 delegates, included 52 oral presentations and 10 posters on the

following themes:

- Surface water: environmental effects
- Surface water: modelling and microbes
- Surface water: nuisance algae
- Groundwater: quality, quantity and remediation
- Drinking water quality and treatment
- Waterborne pathogens
- Wastewater treatment
- Wet-weather flow pollution control
- Watershed and water quality assessment

About 75 delegates attended the **19th Eastern Canadian Symposium on Water Quality Re-**

search held in Sherbrooke, on October 22, 2003. The symposium was very successful and comprised 30 oral presentations and 13 posters on themes including drinking water and wastewater treatment.

New Initiatives

The Canadian Association on Water Quality has agreed to contribute the sum of \$5,000 towards the sponsorship of the **10th World Congress — Anaerobic Digestion 2004, Anaerobic Bioconversion for Sustainability** that will take place from August 29, 2004 to September 2, 2004, at the Mount-Royal Centre, Montreal, Canada.

Philip H. Jones Award Winners

At each of the symposia, 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 membership in the CAWQ, including a subscription to the *Water Quality Research Journal of Canada*, mention of their name in an is-

sue 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

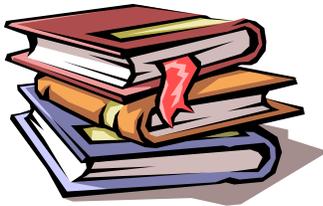
Award at the two symposia held in 2003:

Owen Horn, Department of Chemical Engineering, McGill University, at the 38th Central Canadian Symposium

Caroline Anderson, Département chimie-biologie, Université du Québec à Trois-Rivières, at the 19th Eastern Canadian Symposium.

CAWQ 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 (to 25% of the regular fee) and in symposia registration fees. The



“Philip H. Jones” awards at each of the regional symposia were mentioned above.

In addition, two other student award programs have been established by the CAWQ. They are as follows:

UBC Scholarships - The very successful international conference WQI'98, held in Vancouver June 24-26, 1998, was co-sponsored by CAWQ and IWA. The proceeds accruing to CAWQ from that conference,

nearly \$29,000, were donated to the Department of Civil Engineering, University of British Columbia, to create a scholarship in the name of the CAWQ.

Student Travel Award - The CAWQ is working towards implementing a program to award a prize of \$2000 every second year to a qualified student to attend the next IWA Biennial Conference. Funding is being solicited from the private sector to finance this award.

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, 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

National Activities

The CAWQ is attempting to improve its collaboration with the Canadian Waste Water Association, the Water Environment Association of Ontario, the Ontario Waste Water Association, and Réseau Environnement. Through these collaboration opportunities, the CAWQ will benefit and achieve a higher profile. The IWA has also urged the CAWQ to co-operate more closely with the CWWA.



It is the intention of the CAWQ to expand the Association's interests even further to include those of other water related organizations in Canada such as the Canadian Pulp and Paper Association, the Canadian Water Resources Association, the Canadian Mining Association, the Canadian Society of Civil Engineering, and a number of municipalities. The National Water Conference, which will be hosted and organized by the CAWQ, will be a first step towards this accomplishment. Members of these organizations will also be invited to participate in CAWQ-sponsored regional symposia.

A CAWQ Growth Strategy is also under development. Initiatives of the strategy include:

- Organization of specialized workshops and courses
- Development of promotional materials
- Sponsorship of lectures in "hot" research areas inviting known leading scientists
- Organization of workshops to identify such questions as future research growth areas, threats to water quality and what should be done about them
- Collaboration on the development of water quality policies and programs



International Activities

The IWA was founded in 1999 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,

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 that, the CAWQ must now represent a broader base that includes the water services sector, municipalities and regional organizations

Before amalgamation, Canadian water services interests were represented on the IWSA Governing Board by the American Water and Wastewater Association (AWWA). Since the merger, the AWWA has announced that it will no longer represent Canada on the IWA Governing Board, and consequently this responsibility has to be assumed by the CAWQ member of the IWA Governing Board.



Notably, the CAWQ is also exploring the possibility of hosting IWA's biennial **World Water Congress** in Montreal in 2010.

Administration of the CAWQ

2003 Executive Committee

Dr. Yves Comeau, President *
Département des génies civil, géologique et des
mines, École Polytechnique
Montréal, QC

Dr. Jim Nicell, Vice-President (Eastern)
Dept of Civil Engineering and Applied Mechanics
McGill University
Montreal, QC

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

Dr. Eric R. Hall, Vice President (Western)
Department of Civil Engineering
University of British Columbia
Vancouver, BC

Dr. Rajesh D. Tyagi, Secretary
INRS-Eau, Université du Québec
Sainte-Foy, QC

Bruce Gall, Treasurer
Hydromantis, Inc.
Hamilton, ON

Mike Lywood, Past President *
ASI Group
St. Catharines, ON

2003 Regional Directors

Dr. Ron L. Droste, Regional Director (Eastern)
Department of Civil Engineering
University of Ottawa
Ottawa, ON

Dr. J. Peter Jones, Regional Director (Eastern)
Département de génie chimique
Université de Sherbrooke, Sherbrooke, QC

Dr. D. Grant Allen, Regional Director (Central)
Department of Chemical Engineering & Applied
Chemistry, University of Toronto, Toronto, ON

Anna Robertson, Regional Director (Central)
Department of Civil Engineering
McMaster University
Hamilton, ON

Dr. Troy D. Vassos, Regional Director (Western)
NovaTec Consultants Inc.
Vancouver, BC

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

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

* The CAWQ president is the Canadian member of the
IWA Governing Board and the past president is an *ex offi-
cio* member.

Administrative and Other Support

Suzanne Ponton is in charge of the Subscription and Membership Office of the CAWQ, in Burlington, Ontario. The National Water Research Institute provides her with office space and facilities. In addition, financial administrative services are provided 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.

FOR MORE INFORMATION, CONTACT:

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Subscription and Membership Office
Canadian Association on Water Quality
CCIW, 867 Lakeshore Road, PO Box 5050
Burlington, Ontario, L7R 4A6

Email: suzanne.ponton@cciw.ca



WE'RE ON THE WEB!

WWW.CAWQ.CA

NOUS SOMMES SUR LE WEB!

WWW.ACQE.CA

Who are we?

The Canadian Association on Water Quality (CAWQ) was established as a voluntary not-for-profit organization in 1967 as a collection of individuals from industry, government and academia who were interested in water treatment and pollution control. Since that time, the organization has evolved to include engineers, scientists and managers who are directly involved in issues surrounding water quality. The objectives of the CAWQ are to:

- promote research on the scientific, technological, legal, and administrative aspects of water quality and of the control and treatment of water pollution,
- further the exchange of information and practical application of such research for the public benefit, and
- promote the goals and objectives of the International Water Association (IWA).

The CAWQ is governed by an Executive Committee and a group of Directors drawn from industry and academia from regions across Canada. All members are nominated by the nominating committee and confirmed at the Annual General Meeting that is held during the Central Regional Conference, during the first week of February.

Membership and Subscription Information

Membership categories include individual, student, sustaining, corporate and honorary memberships. Membership in the Canadian Association on Water Quality includes an annual subscription to the *Water Quality Research Journal of Canada*. Visit our website at www.cawq.ca for detailed membership information including rates. Please forward your subscription and membership requests to:

Ms. Suzanne Ponton
Canadian Association on Water Quality
867 Lakeshore Road, Burlington, Ontario L7R 4A6, Canada
email: suzanne.ponton@cciw.ca

Water Quality Research Journal of Canada (continued from page 1) - Kristin Alward of NWRI's Science Liaison Branch is Managing Editor of the WQRJC. Her keen eye for detail, high standards and total dedication contribute to make the journal a success.

Volume 38 of the WQRJC was published in 2003. The first issue contained 11 papers on the theme "Drinking Water: From Source to Tap. Its guest editors were Drs. S.B. Watson and J. Lawrence of the National Water Research Institute. A total of 33 scientific articles were published in the next three issues. All four 2003 issues of the Water Quality Research Journal of Canada, which totalled 795 pages, were published and distributed on time to CAWQ members and to the more than 100 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 website. The website address is www.cciw.ca/wqrjc.