



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

2002 Annual Report

www.cawq.ca (english) or www.acqe.ca (french)

February 2003

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 2002, the Association had 180 members representing the private, government and university sectors. These memberships were broken down as follows: 60 individual memberships of CAWQ, 98 individual joint memberships of

CAWQ and the International Water Association (our parent organization), 4 retired individual CAWQ and 5 retired joint CAWQ-IWA memberships, 3 individual student memberships, 1 private-sector sustaining membership and 9 corporate memberships.

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 the its Director General, Dr. John Carey, for his continuing support. We are also indebted to NWRI employees, Dr. Klaus Kaiser, Editor-in-Chief of the *Water Quality Research Journal of Canada*, and to Kristin Alward, its Managing Editor..

Volume 37 of the Journal was published in 2002. Issue 1 contained 16 papers on environmental ef-

fects monitoring. It proved to be a very successful theme issue and more than 260 copies were sold outside the membership. A total of 31 scientific articles were published in the next three issues. All four 2002 issues of the *Water Quality Research Journal of Canada*, which totalled 792 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 can be accessed as well as the authors' instructions, scope of the Journal, subscription and membership information, and a list of the Editorial Board members. The address of the journal website is www.cciw.ca/wqrjc.

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. Papers presented at the symposia may be submitted for publication in the *Water Quality Research Journal of Canada*. The CAWQ sponsors a competition for the “best presentation” of a research paper made by a student at each of the symposia. The winners receive the Philip H. Jones Award, which includes a certificate, a cash award of \$200, and a one-year student membership in the CAWQ.

The Thirty-seventh Central Canadian Symposium on Water

Pollution Research was held in Burlington, Ontario, on February 4 and 5, 2002. It was co-sponsored by the CAWQ and the National Water Research Institute, in co-operation with the Canadian Water and Wastewater Association, Dalhousie University, Great Lakes Sustainability Fund, Health Canada, University of Calgary, University of Toronto, Water Environment Association of Ontario, and the Western Lake Ontario Research Consortium. The symposium, which was attended by 190 delegates, included 58 oral presentations and 19 posters on the following themes: endocrine disrupting compounds; groundwater; urban wet-weather pollution: stormwater management and combined sewer overflow control; drinking

water treatment drinking water (taste and odour compounds and toxins in drinking water, waterborne pathogens in drinking water; and innovative wastewater treatment technologies and the environmental effects of wastewater discharge.

About 91 delegates attended the 18th Eastern Canadian Symposium on Water Quality Research held in Montreal, on October 18, 2002. The symposium was very successful and comprised 33 oral presentations and 10 posters on the following themes: groundwater; pulp and paper; wastewater treatment; treatment biotechnologies; drinking water treatment; modelling.

Philip H. Jones Award Winners

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 Journal; mention of their name in an issue of the Journal and on the website; and a formal invita-

tion to submit their work for peer review and eventual publication in the Journal.



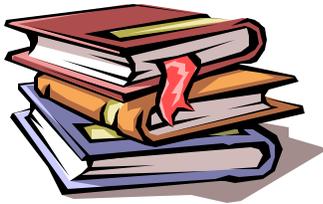
The following students received the Philip H. Jones Award at the regional symposia held in 2002:

Michael Moncur (University of Waterloo), 37th Central Canadian Symposium on Water Pollution Research, Burlington, ON, February 4 and 5, 2002.

Melanie Duhamel (University of Toronto), 18th Eastern Regional Symposium on Water Quality Research, Montreal, QC, October 18, 2002.

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



“best presentation” 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, M.N. Lywood.

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.



Future Initiatives

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.

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



Administration of the CAWQ

2002 Executive Committee

Mr. Mike Lywood, President *
Amec Earth & Environmental Ltd.,
Thorold, ON

Dr. Yves Comeau, Vice President (Eastern)
Département des génies civil, géologique et des
mines, École Polytechnique,
Montréal, 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 Tyagi, Secretary
INRS-Eau, Université du Québec,
Sainte-Foy, QC

Mr. Joe P. Stephenson, Treasurer
Hydromantis, Inc.
Cambridge, ON

Dr. J. Peter Jones, Past President
Département de génie chimique,
Université de Sherbrooke
Sherbrooke, QC

2002 Regional Directors

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

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

Dr. Jim Nicell, Regional Director (Eastern)
Dept of Civil Engineering and Applied Mechanics,
McGill University
Montreal, QC

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

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

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

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

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:

Ms Suzanne Ponton,
Subscription and Membership Officer
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