

Canadian Association on Water Quality

2001 Annual Report

February 2002

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. In 2001, the Association had 166 individual professional members (representing the private, government and university sectors) of whom 10 were retired members and 12 were student members. A large proportion of the individual members also held joint membership in CAWQ's "parent" organization, the International Water Association (IWA) - 75% of the professional members, 70%

of the retired members, and 60% of the students. In addition, the CAWQ had one private sector sustaining member and eight corporate members.

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. The CAWQ activities in 2001 which contributed to these goals are described in the following sections.

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 Executive Director, 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, Managing Editor of the Journal.

Volume 36 of the Journal was published in 2001. Issue 1 contained general papers, issue

2 was devoted to endocrine disruption, issue 3 combined general papers with a section on sediment management, and issue 4 contained general papers. All four 2001 issues of the *Water Quality Research Journal of Canada* were published and distributed on time to CAWQ members and to the more than 100 library subscribers world-wide. They contained 61 scientific papers, totalling 877 pages.

The address of the journal website is www.cciw.ca/wqrjc. 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.

Sponsorship of Symposia

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. Presenters attending the symposia are encouraged to submit their work for publication in the *Water Quality Research Journal of Canada*.

In 2001, two regional symposia were held.

Central Regional Conference

The 36th Central Canadian Symposium on Water Pollution Research, co-sponsored by the National Water Research Institute (NWRI), was held in Burlington, Ontario, on February 5

and 6, 2001. The Conference was hosted by Dr. John Carey, Director of NWRI. The Symposium which was attended by 220 delegates included 52 oral presentations on the following themes:

- Water quality
- Integrated watershed management
- Impacts of pulp and paper effluents
- Groundwater: hydrology, contamination and remediation
- Drinking water: taste and odour, quality and treatment
- Water pollution control technology
- Toxic substances in municipal wastewater effluents

Eastern Regional Conference

About 60 delegates attended the 17th Eastern Regional Symposium on Water Quality Research held at the University of Laval in Quebec City on November 17, 2001. The conference was hosted by Dr. Paul Lessard of the University of Laval. The symposium was very successful and interesting and included 20 oral presentations on themes including:

- Drinking water production
- Wastewater treatment
- Nutrient removal
- Industrial waste treatment
- Fate and treatment of heavy metals

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 on water quality research. 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 names of the winners are also published in the Journal.

The following students received the Philip H. Jones Award at the regional symposia held in 2001:

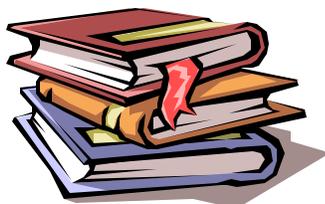


Nora Doer, University of Waterloo, 36th Central Canadian Symposium on Water Pollution Research, Burlington, Ontario, February 5 -6, 2001

Bernard Lavallée, Université Laval, 17th Eastern Regional Symposium on Water Quality Research, Quebec City, November 9, 2001

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.



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 groups.

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.



Before amalgamation, Canadian water services interests were represented on the IWA 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 cooperate 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
- Contribute to the development of water quality policies and programs

Administration of the CAWQ

Executive Committee

The current Executive Committee of the CAWQ is comprised of the following:

Mr. M.N. Lywood, President & Governing Board Member*
Amec Earth & Environmental Ltd.,
Thorold, Ontario

Dr. Y. Comeau, Vice President (Eastern)
Département de génies civil, géologique et des mines, École Polytechnique,
Montréal, Québec

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

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

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

Dr. J.P. Jones, Past President
Département de génie chimique,
Université de Sherbrooke
Sherbrooke, Québec

Regional Directors

The current CAWQ Regional Directors are the following:

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

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

Dr. J.A. Nicell, Regional Director (Eastern)
Dept of Civil Engineering and Applied Mechanics,
McGill University
Montreal, Quebec

L.A. Robertson, Regional Director (Central)
Department of Civil Engineering,
McMaster University
Hamilton, Ontario

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

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

Administrative and Other Support

The part-time paid position of CAWQ Subscription and Membership Officer is held by Suzanne Ponton, in Burlington, Ontario. The National Water Research Institute provides her with office space and facilities at no cost. 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.

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



*Canadian Association
on Water Quality*

We're on the Web!
www.cawq.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