

NATIONAL OFFICERS OF THE SPECTROSCOPY SOCIETY OF CANADA

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LOCAL SECTION CHAIRS

VANCOUVER	SOUTHERN	OTTAWA	MONTREAL	EDMONTON	QUEBEC
/VICTORIA	ONTARIO	VALLEY	REGION	/ALBERTA	CITY
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NATIONAL COMMITTEE CHAIRS

MEMBERSHIP	CONFERENCE	AWARDS	INT. LIAISON	MAN. ED. CJASS
H.H. Chen	D. Beauchemin	J. McLaren	O. Hermann	J.G. Sen Gupta
613-991-5494	613-533-2619	613-993-7319	416-207-6262	613-830-7393
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DIRECTORS OF THE SOCIETY

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ICASS-2003

Conference and Exhibition

June 01-04, 2003 Carleton University, Ottawa, Ontario, Canada

49th International Conference on Analytical Sciences and Spectroscopy (ICASS2003)
sponsored by the Spectroscopy Society of Canada (SSC)

in conjunction with

The Annual Conference of Canadian Thermal Analysis Society (CTAS)

and

Special Workshop on Alcohol Beverage Authentication
organized by the Canada Customs and Revenue Agency (CCRA)

Sponsors:

SCP Science
Agilent Technologies
Perkin Elmer-Sciex
CAEAL
Thermo Finnigan
Health Canada
Carleton University
Canada Customs and Revenue Agency
Natural Resources Canada
Environment Canada

For further information:

Please visit: **<http://www.icass2003.ca>** Or Contact: ndesilva@ccs.carleton.ca

The Organizing committee:

Conference Chair: Nimal De Silva, Department of Chemistry, Carleton Univ., Ottawa, ON, Canada K1S 5B6
(Tel: 613-520-2600 ext 2338, Fax: 613-520-2569, Email: ndesilva@ccs.carleton.ca.)

Program Chairs:

(Molecular Spectroscopy): Ana Delgado, NRC (613-993-3719, Ana.Delgado@nrc.ca)
(Atomic Spectroscopy): Marcin Pawlak, CANMET (613-992-4086, mpawlak@nrcan.gc.ca)
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Exhibit Chair: Allan Ball, Thermo Instruments Canada (905-639-2065,
Allan.Ball@compuserve.com)
Treasurer: Heidi Chen, Environment Canada (613-991-5494, Heidi.Chen@ec.gc.ca)
Registrar: Mylaine Tardif, Environment Canada (613-990-8565,
tardif.mylaine@etc.ec.gc.ca)



My trip to the U.K. in February/March was very pleasant. My wife and I looked after two dogs for a month in a village near Oxford, while the owners were away in Australia.

ACTIVITIES OF SOCIETY PEOPLE

Henry Mantsch has taken up a two-year post as Canada's Scientific Councilor at the Canadian Embassy in Berlin.

Diane Beauchemin attended **Spectr'Atom 2003** in April. This was the first conference entirely in French on atomic spectroscopy. It was held at the Palais Beaumont in Pau in the South of France, near the breathtaking Pyrénées. Its non-traditional format (with mornings of plenary lectures and afternoons of workshops, panel discussions and users' meetings) greatly favored interaction between attendees as well as with manufacturers (21 of them!). The event, whose idea came from Olivier Donard and Jean-Michel Mermet, was such a complete success that it will be repeated every two years. The next conference will be at the same location in the spring of 2005.

SOCIETY CONFERENCES

49th ICASS (2003). Please see pages 2-4 for further details. The conference will be held jointly with the annual meeting of the **Canadian Thermal Analysis Society (CTAS)** and a **Workshop on Alcohol Authentication** (for details of this workshop, see page 7 of the **February Newsletter**).

Nimal De Silva, Chair of ICASS3002 has organized some **Short Courses** on popular topics. These will be held during the weekend (May 31-Jun 01) just prior to the main conference and on Thursday Morning June 5. Several International experts in various areas of "Trace Elemental Analysis" will offer the courses. Please see Page 8 of this Newsletter, or go to the ICASS website for further details.

FUTURE ICASS MEETINGS

The 50th ICASS will be held in Halifax in 2004.

The 51st ICASS will be held in conjunction with the **FACSS** meeting in Quebec City in 2005.

The 52nd ICASS: Rob O'Brien has expressed an interest in hosting the 2006 ICASS conference in Kelowna, BC.

MARCH NEC MEETING The (edited) minutes of the March NEC meeting may be found on Page 6 of this Newsletter. On Page 7, I have included (again edited) Journal reports from the Editor in Chief (**Diane Beauchemin**) and the Managing Editor and Business Manager (**Joy Sen Gupta**). Both are to be congratulated on their splendid work on behalf of the Society. Diane has achieved a significant improvement in the scientific quality of the papers and brought the publication dates back on schedule. Joy has managed to reduce the cost of producing the Journal, so that in spite of the loss of a corporate sponsor last year, the cost to the Society remained about the same as in 2001. The addition of a new sponsor **Bruker BioSpin Ltd.** should reduce the Society subsidy in 2003.

SOCIETY AWARDS

Student representative **Tina Mann** has prepared an application form for the Society's **Student Bursary Award**. The Society has established this award to recognize exceptional students at either the undergraduate or graduate level. Applicants are evaluated on the basis of their academic and research accomplishments, their interest and/or involvement in the SSC, and their financial need. Applications must be received by the SSC Awards Committee by February 15th each year. The winner will be announced at the annual ICASS conference. More information about the award can be obtained from the Society's web site www.s-s-c.ca, or by contacting Diane Beauchemin phone: 613-533-2619 or by email at: beauchmn@chem.queensu.ca

NEW LOCAL SECTION

Rob O'Brian will set up a local section for the **BC Interior** (where there are the required minimum of 10 members).

SOCIETY AWARDS

At the **ICASS2003** meeting in Ottawa, the **2003 Gerhard Herzberg Award** will be presented to Professor **Ricardo Aroca** (University of Windsor). The **Barringer Spectroscopy Award** will be presented to **Roger Guevremont** (Ionanalytics).

ICASS2003 Scientific Program at a Glance

The scientific program includes over 210 papers presented in a series of sessions devoted to a wide area of analytical sciences and spectroscopy. A series of professional development short courses offered by the experts in the field will be offered during May 31, June 01 and June 05. New abstracts to be added to the program are still welcome.

(The detailed program is available on the web site at <http://www.icass2003.ca>)

Saturday May 31, Sunday June 01, and Thursday June 05: Short Courses: (For details, please see Page 8 of this Newsletter)

Sunday June 01: Award Lectures:

18:00-18:45: Gerhard Herzberg Award Lecture: "Surface Enhanced Resonance Raman Scattering and the Spectra of the Single Molecule" **Dr. Ricardo Aroca**, University of Windsor.

18:45-19:15: Barringer Spectroscopy Award Lecture: Development of High-Field Asymmetric Wavefront Ion Mobility Spectrometry (FAIMS). **Dr. Roger Guevremont**, Ionanalytics Corporation, Ottawa.

19:30-21:30: Social Mixer

Monday June 02, AM

ICASS Sessions:

The Versatility of ICP-MS and New Directions. I Sponsored by Perkin ELMER SCIEX and Agilent Technologies. Organizer: Nimal De Silva

Capillary Electrophoresis and Related Techniques. Organizer: Ewa Dabek

IR, Raman and NMR Spectroscopy. Organizer: Kirk Michaelian

Workshop on Alcohol Beverage Authentication. Sponsored by Canada Customs and Revenue Agency. Organizers: Andre Lawrence, Margaret Hurley, and Dennis Moccia

Monday June 02, PM

ICASS Sessions:

Spectroscopy meets medicine; From the sublime to the ridiculous. Organizer: Anthony Shaw

The Versatility of ICP-MS and New Directions II Sponsored by: Perkin Elmer-SCIEX

Organizer: Nimal De Silva

Metals in Human Health and the Environment I Sponsored by: Health Canada.

Organizer: Pat Rasmussen

Vibrational Spectroscopy of Aqueous Solutions. Organizer: Camille Chapados

Monday PM - Poster display

Workshop on Alcohol Beverage Authentication. Sponsored by Canada Customs and Revenue Agency. Organizers: Andre Lawrence, Margaret Hurley, and Dennis Moccia

Tuesday June 03, AM

ICASS Sessions:

Laser-Based Analytical Techniques: LIBS, LAMS and LA-ICPMS. Sponsored by SCP SCIENCE

Organizer: Nimal De Silva

ICASS2003 Scientific Program (Continued)

Tuesday June 03, AM

Session-Part I: Industrial Applications of Analytical Chemistry. Organizer: Bruce Sithole

Session-Part II: Spectroscopy in Art Conservation. Organizers: Allison Murray and H.F. (Gus) Shurvell.

Chromatography-Mass Spectrometry: Applications. Organizer: P. Kumarathan

Tuesday AM - Poster display

CTAS - Thermal Analysis Training Sessions and Vendor Presentations

Workshop on Alcohol Beverage Authentication. Sponsored by Canada Customs and Revenue Agency. Organizers: Andre Lawrence, Margaret Hurley, and Dennis Moccia

Tuesday June 03, PM

ICASS Sessions:

Environmental Applications of ICP-MS. Organizer: R.D. Evans

Metals in Human Health and the Environment-II Sponsored by: Health Canada
Organizer: Pat Rasmussen

Micro and Nano Analysis. Organizer: Farid Bensebaa

Tuesday PM: Poster display and Discussion

CTAS - Thermal Analysis Training Sessions and Vendor Presentations

Workshop on Alcohol Beverage Authentication. Sponsored by Canada Customs and Revenue Agency. Organizers: Andre Lawrence, Margaret Hurley, and Dennis Moccia

Tuesday 7:00 PM - Conference Banquet

Wednesday June 04 AM.

ICASS Sessions:

Plasma Spectroscopy and Sample Introduction. Sponsored by SCP SCIENCE. Organizer: Nimal De Silva

Quality Control/Quality Assurance/Reference Materials. Organizer: Maureen Leaver

Chemical Speciation I Sponsored by Agilent Technologies and Thermo Finnigan.
Organizer: Zoltan Mester

CTAS - Thermal Analysis - Technical Presentations (Oral and Poster)

Workshop on Alcohol Beverage Authentication. Sponsored by Canada Customs and Revenue Agency. Organizers: Andre Lawrence, Margaret Hurley, and Dennis Moccia

Wednesday June 04, PM.

ICASS Sessions:

Advances in atomic spectroscopy. Organizer: Vassili Karanassios

Chemical Speciation II Sponsored by Agilent Technologies and Thermo Finnigan
Organizer: Zoltan Mester

CTAS - Thermal Analysis - Technical Presentations (Oral and Poster)

Workshop on Alcohol Beverage Authentication. Sponsored by Canada Customs and Revenue Agency. Organizers: Andre Lawrence, Margaret Hurley, and Dennis Moccia

REPORT FROM DIANE BEAUCHEMIN, EDITOR-IN-CHIEF OF THE CANADIAN JOURNAL OF ANALYTICAL SCIENCES AND SPECTROSCOPY (CJASS)

I am happy to welcome **Alison Holliday** to the Editorial Staff team. Alison will typeset and correct the proofs of all papers in 2003. Since she uses Acrobat, pdf files can be e-mailed to authors, which will drastically cut down on the processing time for papers. I also welcome **Nelson Belzile** who has kindly volunteered to translate abstracts when they are not provided in both official languages.

The first issue of 2003, which will contain 15 papers, is entirely dedicated to past Co-Editor-in-Chief **Ian Butler**. Issue 2 will contain 6 papers from a symposium organized by **Ricardo Aroca** at the 48th ICASS (Ricardo acted as Guest Editor for this issue). The third issue will contain only unsolicited papers (I already have four accepted papers and am awaiting another one shortly). I expect two more issues from the 48th ICASS meeting: one from a symposium organized by **Stephen Brown** (Queen's University) and one from the high-resolution ICP-MS symposium that was organized by **Chuck Douthitt**. Finally, there will be a special issue in honour of past Co-Editor-in-Chief **C.L. Chakrabarti** from Guest Editor **Doug Goltz**.

To avoid having to wait for unsolicited manuscripts to publish, I will continue to solicit papers. For instance, I am a member of the organizing committee for SpectrAtom 2003, the first conference on atomic spectroscopy entirely in French, held in Pau, France, April 9-11, 2003. CJASS will be one of two journals where presenters can publish their papers. Furthermore, I will again invite all organizers of sessions at the 49th ICASS to act as Guest Editors for issues on their symposia.

I did not know what I was getting into when I took on this job three years ago. I find it hard to believe that I have somehow managed (with the invaluable help of Associate Editors, Guest Editors, et al.) to reach my goals of reviving the journal (by improving the quality of its content), maintaining some Canadian content in each issue, and speeding up publication. This year, the first issue will be printed in March!

In ending, I want to thank our continuing sponsor, **Varian Canada Inc.**, and a new sponsor **Bruker Optics Ltd.** for their faith in CJASS.

REPORT FROM JOY SEN GUPTA, MANAGING EDITOR AND BUSINESS MANAGER OF CJASS

Volume **47**, Nos. 1-6, 2002 was completed during February 2003. The first issue of Volume **48**, 2003 will contain 15 manuscripts devoted to the past Co-Editor-in-Chief of CJASS, **Prof. I. S. Butler** of McGill University.

My contract with the Society for CJASS Volume **48**, Nos. 1-6, 2003 as the Managing Editor and Business Manager was renewed on Dec. 31, 2002. The typesetting work for this volume has been contracted with a student at Queen's University.

There was a predicted shortage of funds for the production of all six issues of Vol. **47**, 2002, so the Society provided an initial grant of \$6000. The total income for Volume **47** was \$27,379. The estimated expenses (including outstanding and anticipated payments) are \$28,856. This represents a shortfall of \$1,477. Thus the total cost to the Society for Volume **47** will be about \$7,500. Comparable results for Volume **46**, 2001 are: Income \$33,227 (including an SSC subsidy of \$7,247) and expenses \$33,750. There remains an outstanding deficit of \$523, and in my last report the Society was requested to approve this \$523 as an additional grant to the journal for the year 2001.

The income to date for Vol. **48**, 2003 is \$21,608. The Journal has received full sponsorship from **Varian Inc.** and **Bruker Optics Ltd.** There is a pledge from **Agilent Technologies** to provide \$500 for placing two black & white advertisements in the spring and fall issues of the journal.

Minutes of the National Executive Committee meeting held by teleconference from Halifax, Nova Scotia, on March 5, 2003.

Participants: Diane Beauchemin, Heidi Chen, Richard Denis, Nimal De Silva, Alison Holliday, Marc Lamoureux, Tina Mann, and Ed Paski.

Business Arising

Diane Beauchemin, Roy Smith, Tina Mann, and Richard Denis will hold a teleconference meeting to discuss timing, criteria, and other issues involved in the adoption of the new student bursary program.

Conferences

48th ICASS: Diane submitted a report. There were 380 attendees and the net profit was approximately \$4,700.

49th ICASS: Nimal submitted a report. 12 exhibitors are confirmed. Nimal will distribute the list of confirmed exhibitors so that "stragglers" can be contacted. The SSC will have an information booth in the exhibition area. There will be more than 20 scientific sessions. The wine & cheese mixer and the award lectures for the SSC were discussed. These events will likely occur on the Sunday evening. The registration booth will open on the Sunday afternoon/evening. Nimal reported that he is comfortable with his team and is confident of being able to turn a profit. He has used short courses to attract local laboratory employees. Diane will make sure that the ICASS announcement is forwarded to European colleagues. Registration information is already posted on the website. Room locations were recently modified to make use of newly renovated rooms.

50th ICASS: Marc stated that **August 2004** is the target date. He has had difficulties securing enough rooms for the ICASS meeting. He may have to go to the Conference Centre in Halifax. Diane suggested that he explore possibilities at Dalhousie University.

51st ICASS: The meeting will be a part of a Joint conference with **FACSS 2005** in Quebec City.

52nd ICASS: **Rob O'Brien** has expressed an interest in hosting the **2006 ICASS** in Kelowna, BC.

4. Committee Reports

Newsletter and Directory: **Gus Shurvell** is at present in the UK. He requests more information from local sections for the Newsletter. Gus will update the information on the front page of the Newsletter.

Membership: There is little change from the last meeting. Heidi sent out renewal reminders recently with good response. **Rob O'Brian** will start up a local section for the **BC Interior** (he has a minimum of 10 members).

Treasurer's Report: Heidi had to withdraw \$1,000 to maintain cash flow. She suggested that the Society consider opening an ING account at 2.75% (compared to a locked-in GIC rate of 4.5%). Joy stressed the need to have liquidity to cover anticipated Journal shortfalls. The added problem of dual signatures would make an ING account difficult to operate. Heidi suggested that money market funds deserve some consideration, but stressed that she needs everything to be easy for her to manage. Mark proposed that \$5,000 be kept as a GIC, \$5,000 in a 0% interest savings fund, and \$6,000 in the Journal Contingency Fund

National Programmes: Richard will try to organize additional activities for Vancouver, Edmonton, and Toronto.

Awards: **Ricardo Roca** (University of Windsor) has been recommended for the **Gerhard Herzberg Award**. Motion Carried: (Beauchemin/Holliday). **Roger Guevremont** (Ion Alytics) has been recommended for the **Barringer Spectroscopy Award**. Motion Carried: (Paski/Beauchemin).

Professional Development Short Courses (May 31, June 01, June 05)

ICASS2003 (The 49th International Conference on Analytical Sciences and Spectroscopy)

Course Fees : Half-day courses, \$100 (\$120 for registration after May 15, 2003)
 Full-day courses, \$200 (\$240, for registration after May 15, 2003)

Day	Time	Course Number	Course	Instructor	Affiliation	Half/ Full Day
Saturday May 31	8:30am-12:30pm	SC-SAT1	ICP-MS: Basics and New Applications	Dr. Sam Houk, 515-294-9462 rshouk@iastate.edu	Iowa State University, USA	Half
	8:30am-4:30pm	SC-SAT2	Hydride Generation - A Crash Course	Dr. Ian Brindle, 905-688-5550x3421 ibrindle@spartan.ac.brocku.ca	Brock University, Canada	Full
	1:30pm-5:30pm	SC-SAT3	High Resolution and Multi-Collector ICP-MS	Dr. Meike Hamsster, 49-421-5493-335 mhamester@thermofinniganmat.de	Finnigan MAT GmbH, Bremen, Germany	Half
	7:00pm-11:00pm	SC-SAT4	Sample Introduction for ICP Spectrometry	Dr. Vassili Karanassios, 519-888-4840 vkaranassios@uwaterloo.ca	University of Waterloo, Canada	Half
	7:00pm-11:00pm	SC-SAT5	Direct Powder Introduction for ICP Spectrometry	Dr. Nimal De Silva 613-520-2600 x 2338 ndesilva@ccs.carleton.ca	Carleton University, Canada	Half
Sunday, Jun 01	8:30am - 12:30pm	SC-SUN1	Reaction Cells and Collision Cells for ICP-MS	Dr. Dmitry Bandura, Dr. Vladimir Baranov, Dr. Scott Tanner 905-660-9006x495 dmitry.bandura@sciex.com	MDS-Sciex, Canada	Half
	8:30am - 12:30pm	SC-SUN2	Laser Ablation ICP-MS	Dr. Henry Longerich, 709-737-8380, henry@esd.mun.ca	Memorial Univ. of Newfoundland, Canada	Half
	8:30am - 12:30pm	SC-SUN3	Compliance Analysis of Waters and Wastes using ICP-MS Joe Brenner	Dr. Joe Brenner, 972-2-6797-255 brenner@cc.huji.ac.il	BGU, Israel	Half
	1:30pm-5:30pm	SC-SUN4	Sample Preparation for Trace Spectrochemical Analysis	Dr. Ramon Barnes, 413-256-8942 rmbarnes@chemistry.umass.edu	University of Massachusetts, USA	Half
	1:30pm-5:30pm	SC-SUN5	Plasmas on a Chip: Micro-Plasma Devices	Dr. Vassili Karanassios, 519-888-4840 vkaranassios@uwaterloo.ca	University of Waterloo, Canada	Half
June 02,03,04 (Monday - Wednesday) C O N F E R E N C E S Y M P O S I A						
Thurs, Jun 05	8:30am-4:30pm	SC-THU1	Estimating the Uncertainties in Chemical Analysis Using Lab QC Data	Peter Fowlie, 905-631-0522 pfowlie@cogeco.ca	Cornerstone Science, Burlington, Canada	Full

For further information, please contact:

Dr. Nimal De Silva, Conference Chair, ICASS2003, Dept of Chem, Carleton Univ, Ottawa, ON, Canada K1S 5B6.

Tel: 613-520-2600 ext 2338, Fax: 613-520-2569, E-mail: ndesilva@ccs.carleton.ca

Conference Web-site <http://www.icass2003.ca>

INSERT TO MAY 2003 NEWSLETTER

Call for nominations for the National Executive Committee of the Spectroscopy Society of Canada

The following positions are open for nomination:

President: (Incumbent - Marc Lamoureux)

Vice-President: (Incumbent - Diane Beauchemin)

Secretary: (Incumbent – Richard Denis)

Treasurer: (Incumbent – Heidi Chen)

All nominations should be sent before 4 pm, May 29, 2003 to the Chair of the Nominations Committee:

Dr. Mike Hinds, Royal Canadian Mint, 320 Sussex Drive, Ottawa ON K1A 0G8

Email: hinds@rcmint.ca

If no nominations are received for a given position, nominations from the floor at the AGM will be sought.

If more than one nomination for a position is received, then an election will take place.

ICASS2003 Session (omitted from page 5 of Newsletter)

Tuesday June 03, AM

Vibrational Microspectroscopy, Organizer: Michel Lafleur

ANNUAL GENERAL MEETING THE SPECTROSCOPY SOCIETY OF CANADA

12:00 - 13:00, Monday, June 2, 2003

Carleton University

Ottawa, Ontario

(Room to be announced on site)

A light lunch will be provided

AGENDA

1. Approval of Agenda and Minutes of AGM of May 2002
2. Business Arising
3. Reports: Finance and Membership (H. Chen), Journal (D. Beauchemin/J. Sen Gupta), Student representative (T. Mann), Web site manager (A. Holliday), National Program Chair (R. Denis), Newsletter Editor (G. Shurvell), International Liaison (O. Hermann) President's Report (M. Lamoureux)
4. Membership fees
5. Nomination and election of officers for the NEC of the Society (R. Denis)
6. Any Other Business