Alfred Bader fonds

Correspondence

Canadian Society for Chemistry / Chemical Institute of Canada 1993-2001

Dear Ms. Jetha,

Thank you so much for your letter of April 20th.

Unfortunately, my wife and I will not be able to join you on May 29th.

May I ask you to direct the following question to the person at the CSC who handles awards?

Some years ago my wife and I donated the funds for several $1,000 awards to students planning to do graduate work in chemistry in Canada.

In the first years several students applied each year and were awarded the $1,000 each.

But last year only one student applied, and wanted to use the funds for study in the US. That of course was not the purpose of the award.

It seems to me that what may be lacking is sufficient advertising on the part of your Society. Or perhaps the award should be re-structured, as C$1,000 as really become quite a small amount.

Please do let us know.

With all good wishes I remain

Yours sincerely,
Alfred Bader

The Canadian Society for Chemistry
La Société canadienne de chimie

Suite 550, 130 Slater Street, Ottawa, ON K1P 6E2
Tel/Tél. : 613-232-6252; Fax/Téléc. : 613-232-5862
E-mail/Courriel : info@cheminst.ca; Website/Site Web : www.chemistry.ca

April 20, 2000

Dr. Alfred Bader
622-924 East Juneau
Milwaukee, WI 53202

Dear Dr. Bader:

Re: Alfred Bader Award in Organic Chemistry

The Chemical Institute of Canada and The Canadian Society for Chemistry are honoured to invite you to the Awards Dinner on ***Monday, May 29, 2000 in the Alberta Room of the Palliser Hotel.***

We ask that you arrive promptly at 17:00 so that time is available for photographs with the award winners during a small reception. Dinner will commence at 17:30.

At the ceremony, as your award is announced, you are kindly asked to come forward to meet the recipient of your award, Professor John Scheffer of the University of British Columbia. I will be on hand to pass the award to you for presentation. A photographer will take pictures of the presentation again, and you would then return to your seat. Unfortunately, due to limited time available, award winners and sponsor representatives will not have the opportunity to speak.

The cost of one Award Dinner ticket for yourself is provided courtesy of The Canadian Society for Chemistry. Please RSVP to me by May 17 otherwise we will assume that you are unable to attend. I may be reached at - telephone: 613-232-5990 ext. 221, fax: 613-232-5862 or by e-mail: njetha@cheminst.ca.

I would like to take this opportunity to thank you for your support of chemistry in Canada. We look forward to meeting you in Calgary.

Sincerely yours,

N. Jetha

Nina Jetha
Program Co-ordinator

C.C. Linda Huskins, CMP
Manager, Conferences & Awards

FAX FROM

DR. ALFRED BADER
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone: 414/277-0730
Fax: 414/277-0709

A Chemist Helping Chemists

January 24, 1997

To: Dr. Anne Alper
The Chemical Institute of Canada
Fax: 613 / 232-5862

Dear Anne:

Thank you so much for your fax of January 22nd.

I am just involved setting up a new chemical company and it has become very important that Isabel and I intend the Chemspec Exhibition in Manchester on June the 10th. If we came to Windsor that would leave us very little time and I hope that you will understand.

We will be in Toronto from Wednesday noon, May 28th until Sunday evening, June 1st and we will then fly back to Milwaukee.

I've all sorts of speeches planned. One is at the chemistry department of the University of Toronto, probably on May 28th, two at Xerox on the 29th, at least one at the Art Gallery of Ontario on the 30th, and probably another one at a Jewish organization on June the 1st.

If you would like me to receive the Honorary Fellowship, that could surely be given to me at the Department of Chemistry of the University of Toronto.

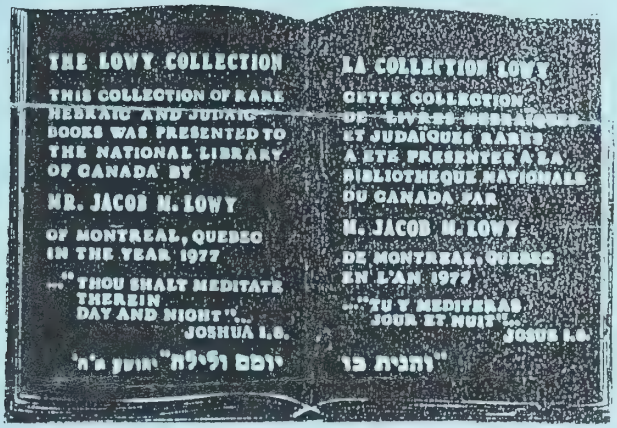
With fond regards to you and Howard, I remain,

Yours sincerely,

AB/nik

INAUGURAL CULTURAL EVENING of the COUNCIL of the

JACOB M. LOWY COLLECTION



JACOB M. LOWY COLLECTION

NATIONAL LIBRARY OF CANADA

Tuesday May 13th, 1997

Dear Friends and Supporters,

On behalf of the Council of the Jacob M. Lowy Collection I welcome you to our Inaugural Cultural Evening. The Jacob M. Lowy Collection is a superior research collection which was donated to the National Library twenty years ago.

The aim of the Lowy Council is to raise the profile of this excellent collection of rare Hebraica and Judaica, for scholars, researchers and the lay community in Canada and internationally. The goal is to establish a stable source of funding through endowment and other fundraising endeavours. Funds will be designated for new acquisitions, research and scholarly projects.

We invite you to support our efforts by making a tax deductible donation to the Jacob M. Lowy Collection. We also invite you to visit the collection by contacting Cheryl Jaffee at 995-7960.

Please support this unique endeavour,

Sincerely,

B. Norman Barwin, M.D.
Chair, Council of the
Jacob M. Lowy Collection

INAUGURAL CULTURAL EVENING of the COUNCIL of the

JACOB M. LOWY COLLECTION

ON

TUESDAY MAY 13TH, 1997 at 7:30p.m.

NOTHING TO BE WRITTEN HERE
A VIDEO BY WENDY OBERLANDER

PROGRAM

7:30 P.M.	**WELCOME BY MARY-JANE STARR RESEARCH & INFORMATION SERVICES NATIONAL LIBRARY OF CANADA**
7:35 P.M.	**INTRODUCTION BY DR. NORMAN BARWIN**
7:40 P.M.	**HISTORICAL BACKROUND BY DR. HELMUT KALLMANN**
7:50 P.M.	**PRELIMINARY WORDS BY WENDY OBERLANDER**
8:00 P.M.	**SCREENING OF VIDEO**
8·50 P.M.	**AUDIENCE QUESTIONS**
9:20 P.M.	**CONCLUDING REMARKS BY CHERYL JAFFEE, CURATOR OF THE JACOB M. LOWY COLLECTION**
9:30 P.M.	**REFRESHMENTS**

NOTHING TO BE WRITTEN HERE is a poetically rendered documentary film which examines one facet of Canada's wartime immigration policy regarding "enemy aliens". This film is the fruit of writer-producer Wendy Oberlander's search to comprehend the internment, in a New Brunswick camp, of her Jewish-Austrian father. Moreover, in this film Ms. Oberlander finally gives words to the silent legacy left by father to daughter.

WENDY OBERLANDER has exhibited engaging multi-media installations in Canada, Iceland and the United States. The film was funded in part by the Explorations Program of the Canada Council, Department of Canadian Heritage, Heritage Cultures and Languages; Endowment Fund of Jewish Federations of Greater Vancouver; Jewish Community Foundation of Greater Montreal; National Film Board of Canada; Pacific Centre; Video in Studios Work Exchange Program. Written, directed and produced by Wendy Oberlander; Edited by Jennifer Abbott, Camera by Kevin Matthews, Bo Myers and Wendy Oberlander.

AWARD: First Place Award for Holocaust Biography, 1996, Judah L. Magnes Museum Video Competion, Berkeley, California.

DR. HELMUT KALLMANN, a former internee and retired Chief of the National Library's Music Division, will provide historical backround and answer questions with Ms. Oberlander. His historical and bibliographical notes have formed a major source of information for the Encyclopaedia of Music in Canada, the CBC's Catalogue of Canadian Composers and his published work - "A History of Music in Canada, 1534-1914". He was awarded an hon. LLD by the University of Toronto and was appointed a Member of the Order of Canada in 1986.

The Chemical Institute of Canada
L'Institut de chimie du Canada

130 Slater Street, Suite
Ottawa, Ontario K
Tel: 613-2
Fax: 613-232-
e-mail: cic_adm@fox
URL: http://fox.nstn.ca/~ci

May 14, 1997

Dear Alfred

I saw the film described on the attached last evening and immediately thought of you.

The film described her father's experience - from Austria to England and then to a "Camp" in Canada. Several others who had had the same experience were in the audience

The video was produced by the National Film Board of Canada

It was nice to see you and Isabel in San Francisco. Best regards to you both

Anne

The Chemical Institute of Canada
L'Institut de chimie du Canada

130 Slater Street, Suite [illegible]
Ottawa, Ontario K1[illegible]
Tel: 613-2[illegible]
Fax: 613-2[illegible]
e-mail: cic_adm@fox.[illegible]
URL: http://fox.nstn.ca/~cic[illegible]

November 17, 1997

Dr. Alfred Bader, FCIC
924 East Juneau
Suite 622
Milwaukee, WI 53202
USA

Dear Dr. Bader:

As an Honorary Fellow of The Chemical Institute of Canada, your 1998 annual renewal has been processed at this office. Please find your 1998 membership cards enclosed.

Also included is a brochure outlining a new self-directed RRSP option available through ScotiaMcLeod, a new partner of the Institute.

Best wishes.

Yours sincerely,

Nola Haddadian
Manager, Services Department

/nph
Encls.

THE CHEMICAL INSTITUTE OF CANADA / L'INSTITUT DE CHIMIE DU CANADA
Suite 550, 130 Slater Street, Ottawa, Ontario K1P 6E2

TELEPHONE / TÉLÉPHONE (613) 232-6252 FAX (613) 232-5862

PLEASE USE REFERENCE NO ON ALL CORRESPONDENCE
AUX FINS DE CORRESPONDANCE MENTIONNEZ TOUJOURS LE NUMÉRO DE RÉFÉRENCE

MAILING ADDRESS / ADRESSE

Dr. Alfred Bader
924 East Juneau
Suite 622
Milwaukee, WI
53202
USA

CANADIAN SOCIETY FOR CHEMISTRY
SOCIÉTÉ CANADIENNE DE CHIMIE
SUITE 550, 130 SLATER STREET, OTTAWA, ONTARIO K1P 6E2

REFERENCE NO / N. RÉF 024151 YEAR / ANNÉE 1998
Dr. Alfred Bader
FELLOW

Anne Alper
SIGNATURE CIC EXECUTIVE DIRECTOR/DIRECTEUR GÉNÉRAL ICC

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA
SUITE 550, 130 SLATER STREET, OTTAWA, ONTARIO K1P 6E2

REFERENCE NO / N. RÉF 024151 YEAR / ANNÉE 1998
Dr. Alfred Bader
F C I C

Anne Alper
SIGNATURE EXECUTIVE DIRECTOR/DIRECTEUR GÉNÉRAL

CANADIAN SOCIETY FOR CHEMICAL ENGINEERING
SOCIÉTÉ CANADIENNE DU GÉNIE CHIMIQUE
SUITE 550, 130 SLATER STREET, OTTAWA, ONTARIO K1P 6E2

REFERENCE NO / N. RÉF YEAR / ANNÉE
========== V O I D ==========

Anne Alper
SIGNATURE CIC EXECUTIVE DIRECTOR/DIRECTEUR GÉNÉRAL ICC

CANADIAN SOCIETY FOR CHEMICAL TECHNOLOGY
SOCIÉTÉ CANADIENNE DE TECHNOLOGIE CHIMIQUE
SUITE 550, 130 SLATER STREET, OTTAWA, ONTARIO K1P 6E2

REFERENCE NO./ N. RÉF YEAR / ANNÉE
========== V O I D ==========

Anne Alper
SIGNATURE CIC EXECUTIVE DIRECTOR/DIRECTEUR GÉNÉRAL ICC

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY
BANK COURT CHAMBERS, 2-3 POUND WAY, TEMPLARS SQUARE, COWLEY, OXFORD 0X4 3YF UK

REFERENCE NO / N. RÉF YEAR / ANNÉE
========== V O I D ==========

Michael
SIGNATURE MICHAEL FREEMANTLE - IUPAC

The Chemical Institute of Canada
L'Institut de chimie du Canada

130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Tel: 613-232-6252
Fax: 613-232-5862
e-mail: cic_adm@fox.nstn.ca
URL: http://fox.nstn.ca/~cic_adm/

Dear Member:

The Chemical Institute of Canada (CIC) is pleased to announce that **ScotiaMcLeod Inc.** has been chosen as the new provider of a CIC-endorsed **Group Retirement Savings Plan** for our members. This Plan is effective immediately. ScotiaMcLeod is one of Canada's largest brokerage firms and is owned by the Bank of Nova Scotia.

The CIC Group Plan is simply a collection of self-directed RRSPs held by individual members of the Institute. This Plan is a **free self-directed RRSP — there is no annual fee**. You direct the investment of your funds. A very wide variety of investment options are available to you — mutual funds, stocks, bonds, treasury bills and GICs. As a Plan member, you are entitled to utilize the services of a fully-trained ScotiaMcLeod Investment Executive — a financial advisor that can help you structure your retirement planning. For as little as **$50** per pay you can start saving towards your retirement. You will receive a personalized monthly statement detailing all transactions on your Plan. And, best of all, **there are no administrative or trustee fees** for this service. This complimentary opportunity usually carries an annual fee of $120-$150, the cost of a full-fee CIC membership.

For more information on the features and benefits of this Group Retirement Savings Plan, please contact the ScotiaMcLeod office nearest you (see list on other side of this letter) or call 1-800-387-1834.

If you currently have your retirement funds invested in the CIC Group Plan with Manulife Financial, Manulife will be pleased to continue to carry your funds. However, if you wish, you may easily move your funds from Manulife to ScotiaMcLeod.

We are sure you will find the ScotiaMcLeod Group Investment Savings Plan provides you a winning combination of service, accessibility and performance.

Sincerely yours,

N P Haddadian

Nola Haddadian
Manager, Services Department

Encl.

MAILING ADDRESSES

ABBOTSFORD P.C.F.S 808
2692 Clearbrook Road
Suite 101
Matsqui BC
V2T 2Y8
(604) 864-3752

ALBERTA INVESTMENT BANKING CENTRE 22269
Suite 3860
700-2nd Street West.
Calgary AB
T2P 2N7
(403)221-6730

ATLANTA AGENCY OPERATIONS 43695
Suite 2700
600 Peachtree St. N.E.
Atlanta Georgia USA
30308
(404) 877-1550

ATLANTIC INVESTMENT BANKING CENTRE 82313
P.O. Box 2146
4th floor 1709 Hollis St.
Halifax NS
B3J 3B7
(902) 420-3690

BARRIE P.C.F.S. 412
135 Bayfield Street
Suite 202
Barrie ON
L4M 3B3
(705) 725-0300

BOSTON U.S.A. 950
101 Federal Street
16 th Floor
Boston Massachusetts,
02110
(617) 428-9305

BRAMPTON P.C.F.S. 427
1 Nelson St. West
Suite 6
Brampton ON
L6X 3E4
(905) 796-5031

BRIDGEWATER P.C.F.S. 275
93 Dufferin Street,
P.O. BOX 30
Bridgewater NS
B4V 2W6
(902) 543-8293

CALGARY P.C.F.S & CORPORATE FINANCE 700
401 9th Ave. South West
Suite 920
Calgary AB
T2P 3C5

CAMBRIDGE P.C.F.S. 437
150 Water St. South
1 st Floor
Cambridge ON
N1R 3E2
(519) 740-4302

CAPITAL BRANCH P.C.F.S. 370
7ieme etage
1002 Sherbrooke O.
Montreal QC
H3A 3L6
(514) 287-2919

CHARLOTTETOWN P.C.F.S. 250
187 Queen St. P.O. Box 1540
Charlottetown PE
C1A 7N3
(902) 566-4511

CHICOUTIMI P.C.F.S 310
Bureau 405, 901
boulevard Talbot
Chicoutimi QC
G7H 4B5
(418) 545-4511

COURTENAY P.C.F.S. 809
437-5th Street
Courtenay BC
V9N 1J7
(604) 338-4444

EDMONTON P.C.F.S. 600
10104—103rd Avenue
Suite 2000
Edmonton AB
T5J 0H8
(403) 497-3219

FREDERICTON P.C.F.S. 270
440 King Street West
Suite 470
Fredericton NB
E3B 5H8
(506) 450-6465

GUELPH P.C.F.S. 435
42 Wyndham St. North
Suite 301
Guelph ON
N1H 4C9
(519) 763-0371

HALIFAX P.C.F.S 220
1709 Hollis St.
5th Floor
Box 2022 Stn
Halifax NS
B3J 2Z1
(902) 420-8703

HAMILTON P.C.F.S. 440
1 King Street West
Suite 1402
Hamilton ON
L8P 1A4
(905) 570-7962

KELOWNA P.C.F.S. 840
757 K.L.O. Road
Suite #1
Kelowna BC
V1Y 9L9
(604) 868-5516

KENTVILLE P.C.F.S. 260
1 Webster St.
Kentville NS
B4N 1H4
(902) 678-0777

KINGSTON P.C.F.S. 430
863 Princess Street
Suite 201
Kingston ON
K7L 5N4
(613) 531-6302

KITCHENER P.C.F.S. 450
55 King St. West
Suite 1001
Kitchener ON
N2G 4W1
(519) 571-3712

KOLN Germany 585
Marthastrasse # 6
Koln Germany
51069
011-49-221-968-4050

LAVAL P.C.F.S. 345
Bureau 125, 3090,
boulevard le Carrefour,
Laval QC
H7T 2J7
(514) 335-4616

LONDON England 597
33 Finsbury Square,
London England
EC2A1BB
011-44-171-826-5888

LONDON P.C.F.S. 460
130 Dufferin Ave.,
Suite 1102
London ON
N6A 5R2
(519) 660-3202

MAN & SASK INVESTMENT BANKING CENTRE 8069
Suite 302
200 Portage Ave.
Winnipeg MB
R3C 3X2
(204) 985-3202

MEDICINE HAT P.C.F.S. 740
516—3rd Street
Suite 101
Medicine Hat AB
T1A 0H3
(403) 528-5779

MISSISSAUGA P.C.F.S. 480
90 Burnhamthorpe Rd. West
Suite 1400
Mississauga ON
L5B 3C3
(905) 896-6445

MONTREAL—ALL DEPARTMENTS
6ieme etage
1002, rue Sherbrooke Ouest
Montreal QC
H3A 3L6

NEW YORK U.S.A. 950
1 Liberty Plaza
25th Floor, 165 Broadway
New York, NY
10006
(212) 225-6520

NORTH TORONTO P.C.F.S. 414
4950 Yonge St.
Suite 1200
Willowdale, ON
M2N 6K1
(416) 226-7410

OAKVILLE P.C.F.S 433
700 Kerr Street
Suite 103
Oakville, ON
L6K 3W5
(905) 849-3401

ONTARIO INVESTMENT BANKING CENTRE 43562
P.O. Box 4085, Stn.'A,'
5th Flr. 40 King St.
Toronto ON
M5W 3M3
(416) 866-6880

OTTAWA P.C.F.S. 420
350 Albert St.
Suite 2100
Ottawa, ON
K1R 7X7
(613) 782-6728

PACIFIC INVESTMENT BANKING CENTRE 32060
602 West Hastings St.
2nd Floor
Vancouver BC
V6B 1P3
(604) 667-2100

PETERBOROUGH P.C.F.S. 465
364 Water St. North
P.O. Box 1868
Peterborough, ON
K9J 7X7
(705) 876-1373

QUEBEC INVESTMENT BANKING CENTRE 81711
Suite 280
1002 Sherbrooke St. West.
Montreal QC
H3A 3M3
(514) 499-5335

QUEBEC (Ste.Foy) P.C.F.S 330
Bureau 020
2600 boulevard Laurier
Ste. Foy, QC
G1V 4T3
(418) 652-2506

REGINA P.C.F.S. 610
1783 Hamilton St.
Suite 800
Regina, SK
S4P 2B6
(306) 761-6545

RICHMOND P.C.F.S. 888
2nd Floor
6300 No. 3 Road
Richmond BC
V6Y 2B3
(604) 713-7880

RIMOUSKI P.C.F.S. 350
38, rue St.-Germain est
Rimouski, QC
G5L 1A2
(418) 723-5511

RIVE-SUD (LONGUEUIL) P.C.F.S. 380
Bureau 202
50, rue St. Charles ouest
Longueuil QC
J4H 1C6
(514) 463-5502

ROUYN-NORANDA P.C.F.S. 360
141, rue Perrault est
Rouyn-Noranda QC
J9X 3C3
(819) 764-9405

SAINT JOHN P.C.F.S 240
1 Brunswick Sq.
Suite 1608 Box 6277, Stn'
Saint John NB
E2L 4R7
(506) 658-3204

SASKATOON P.C.F.S 630
410—22nd Street East
Suite 420
Saskatoon SK
S7K 5T6
(306) 665-5305

SCARBOROUGH P.C.F.S. 445
200 Consilium Place
Suite 400
Scarborough ON
M1H 3E4
(416) 296-2628

SHERBROOKE P.C.F.S. 320
Suite 200,
2637 rue , King Ouest
Sherbrooke QC
J1J 2H3
(819) 829-5536

SINGAPORE MALAYASIA 23895
#15-01, Ocean Building
10 Collyer Quay
Singapore
0104

SOUTH GRANVILLE P.C.F.S. 805
1495 West 11th Avenue
2nd Floor
Vancouver BC
V6H 3Y6
(604) 737-3510

ST.CATHARINES P.C.F.S. 476
63 Church St.
Suite 406
St.Catharines ON
L2R 3C4
(905) 641-7702

ST-GEORGES DE BEAUCE P.C.F.S. 335
1160—1 iere Avenue Est
St.Georges QC
G5Y 2C8
(418) 228-2878

ST.HYACINTHE P.C.F.S. 355
675, rue Ste.- Marie
St.Hyacinthe QC
J2S 4R8
(514) 774-1536

ST.JOHN'S P.C.F.S. 230
235 Water Street
Suite M101
St.John's NF
A1C 1B5
(709) 754-1000

THUNDER BAY P.C.F.S. 441
715 Hewitson Street
Suite 2001
Thunder Bay ON
P7B 6E4
(807) 623-8373

TOKYO JAPAN 418
21st Floor
2-2-2 Uchisaiwaicho
Chiyoda
Tokyo, Japan 100
011-81-3-3592-3875

TORONTO Head Office P.C.F.S. 400
40 King St. West
P.O Box 402
Toronto ON
M5H 3Y2
(416) 863-2863

TORONTO Hepcoe P.C.F.S. 406
700 University Ave.
Shopping Concourse Level
Toronto ON
M5G 1X6
(416) 204-7748

TORONTO Scotia Plaza P.C.F.S. 405
40 King St. West
Box 115, Suite 1101
Toronto ON
M5H 3Y2
(416) 863-7679

TORONTO S/P INVESTOR SERVICES—P.C.F.S.
40 King St. West
Street Level
Toronto, ON
M5H 1H1
(416) 866-7886

TORONTO Uptown P.C.F.S. 438
Suite 2000
2300 Yonge St.
P.O. Box 2470
Toronto ON
M4P 1E4
(416) 487-5414

TORONTO—Corporate Office
40 King St. West
P.O. Box 4085, Station 'A
Toronto ON
M5W 2X6
863-7411

TROIS-RIVIERES P.C.F.S. 340
1481, rue Notre Dame
Trois-Rivieres QC
G9A 4X4
(819) 373-3303

UXBRIDGE 424
Route 3, Bristol Ponds
Stouffville, Ontario
L4A 7X4
(905) 642-1212

VAL D'OR P.C.F.S. 365
887, 3ieme Ave.
Bureau 230
Val d'Or QC
J9P 1T2
(819) 874-3777

VANCOUVER COMM. BANKING CTR—P.C.F.S. 80
650 West Georgia Street
Box 11502
Vancouver BC
V6B 4P6
(604) 668-2039

VANCOUVER P.C.F.S. & CORPORATE FINANCE 80
609 Granville St.
Box 10342, Suite 1101
Vancouver BC
V7Y 1H6

VERNON P.C.F.S. 844
3131 29th Street
Suite 201
Vernon BC
V1T 5A8
(604) 549-3411

VICTORIA P.C.F.S. 810
1803 Douglas St.
Suite 400
Victoria BC
V8T 5C3
(604) 389-2144

VICTORIAVILLE P.C.F.S. 325
116, rue Notre Dame est. C.P. 220
Victoriaville QC
G6P 6S8
(819) 758-6201

WELLAND P.C.F.S. 477
247 East Main St.
Welland ON
L3B 3X1
(905) 641-7362

WHITE ROCK P.C.F.S. 845
1676 Martin Drive
Suite 100
White Rock BC
V4A 6E7
(604) 535-4711

WINDSOR P.C.F.S. 470
374 Oulette Ave.
Suite 808
Windsor ON
N9A 1A8
(519) 258-1050

WINNIPEG P.C.F.S. 500
200 Portage Avenue
Box 105, Suite 501
Winnipeg MB
R3C 3X2
(204) 946-9233

YARMOUTH P.C.F.S. 265
101 Water Street
Suite 301
Yarmouth NS
B5A 4K3
(902) 742-6722

Spousal RSP Account

You have the option of opening a Spousal Plan within your ScotiaMcLeod Group RSP. This is one of the last income splitting techniques allowed by Revenue Canada.

A Spousal RSP can help save taxes in your household as you split retirement income. The higher income earner enjoys an immediate income tax deduction for the contributions while putting away savings in a spouse's name. When it's time to take funds out of the spousal plan, the spouse pays tax at his or her marginal rate. Generally speaking, you will pay less tax on two more or less equal streams of income than you will on one larger income.
NOTE: Consult with your Investment Executive about possible tax consequences.

Consolidation of RSP Assets

It is a good idea to consolidate RSP assets from other RSPs into your ScotiaMcLeod Self-Directed Group Plan. This could potentially save you money in trustee, custodial and/or administration fees, as well as provide ease of management because all of your RSP asset holdings are detailed on one statement. By consolidating, you can also take full advantage of the foreign content allowed in your portfolio.

Ask your ScotiaMcleod Investment Executive about current foreign content limits.

The ScotiaMcLeod Investment Savings Plan

The ScotiaMcLeod Investment Savings Plan offers you the ability to systematically save and invest money directly from payroll. This type of investment account provides you the opportunity to save outside your RSP for the purposes of asset building, saving towards a specific item, such as a car, house or child's education, or simply saving beyond your RSP limit.

This vehicle is particularly suitable for employees with limited RSP contribution room due to participation in a Pension Plan.

The ScotiaMcLeod Investment Savings Plan offers a very convenient way to save. Being tied to payroll deduction commits you to consistently making an investment; and as the old saying goes, "you won't miss what you don't see."

Like the Self-Directed Group RSP, you will benefit from the services of an experienced ScotiaMcLeod Investment Executive to assist you in developing a portfolio that best meets your needs.

Contributions are made with after-tax dollars by payroll deduction or through our automated pre-authorized chequing option and invested in a wide range of Mutual Funds for as low as $50 per investment. Investments in a wider range of securities may also be made through lump-sum contributions.

Due to the systematic nature of investments in this plan, you will take advantage of dollar-cost averaging in your Investment Savings Account, an investment strategy encouraged by most financial planners today.

Dollar-cost averaging is the process of investing a certain amount of money on a regular schedule. Investing over time in this manner increases an individual's assets over that of a one-time annual contribution because this process leads to purchases of investments at varying market prices. While the markets are high, the whole portfolio rises in value. At the lows of the market, more units of the investment are purchased. Dollar-cost averaging removes your need to "time the market."

If the investments held in your Investment Savings Plan are RSP-eligible, they can be contributed "in kind" to your Self-Directed RSP, subject to legislated maximums. The securities may be transferred in to the RSP account without having to be sold. *(Note that they are deemed to have been sold for tax purposes. You must claim capital gains on the "sale," but cannot deduct capital losses.)*

When you join the ScotiaMcLeod Professionally-Advised Group Investment Savings Plans, you should feel comfortable about calling your Investment Executive at any time for information or advice. He or she can also introduce you to the many services now available to you.

You will receive regular statements, usually monthly. Your statement lists all plan assets, all transactions in your account(s) for the period and the market value of your assets at month-end. Your Investment Executive will review your plan regularly to ensure that the investments are suited to your needs, while taking advantage of current market conditions.

In addition, your employer may arrange for regular on-site meetings or seminars covering topics such as tax and estate planning. You also have access to a full library of ScotiaMcLeod publications including economic forecasts, market comments, industry reports and other research reports prepared by our analysts.

The ScotiaMcLeod Professionally-Advised Group Retirement Savings Plans give you maximum flexibility and the largest selection of investment options offered through any Savings Plan available today. You also benefit from the personalized advice you receive from your ScotiaMcLeod Investment Executive.

We're sure you'll find the ScotiaMcLeod Group Investment Savings Plan gives you a winning combination of advice, convenience and performance.

The ScotiaMcLeod Professionally-Advised GROUP Retirement Savings Plan

Another Piece of your Financial Big Picture

The Big Picture™ RSP

ScotiaMcLeod
Building Relationships for Life

GROUP Retirement Savings Plan

Studies show that the average Canadian needs 70% of their pre-retirement income in each of their retirement years to maintain their standard of living. With the uncertainty of government retirement programs, and with many company pension plans falling short of providing for retirement needs because they don't keep up with inflation, more and more Canadians are taking responsibility for their own retirement savings to ensure a comfortable future.

Added to these concerns is the fact that Canadians are living longer, so that financing a retirement of twenty years or more is no longer uncommon. Taking an active role in planning for retirement is no longer a luxury; it's a necessity.

Employers now recognize the benefits of providing an easy retirement savings program for their employees; and employees recognize that they have to earn as high a return on their savings as possible to meet their retirement objectives.

The ScotiaMcLeod Professionally-Advised Group Retirement Savings Plan, including the Group Registered Retirement Savings Plan, Deferred Profit Sharing Plan, Investment Savings Plan and Employee Stock Purchase Plan make up another piece of your financial Big Picture™. They have been developed to respond to these needs.

The ScotiaMcLeod Group Savings Plan is the most flexible and innovative Group Savings Plan available in the marketplace today. Due to the flexibility of the Plan, it is easily able to accommodate all levels of investors, but it is well suited to the investor who demands more control over their retirement planning and requires the services of a full-service brokerage firm to achieve their objectives.

Some of the benefits of the ScotiaMcLeod Group Retirement Savings Plan include:

- Convenient contributions – through payroll, from your bank account or by lump-sum deposit in cash or in eligible securities.

- Access to the widest possible choice of investment alternatives, such as:
Mutual Funds – over 500 Mutual Funds from Canada's top Mutual Fund Managers. As part of the Group Plan, you can invest in most Mutual Funds for as little as $50 per investment per remittance.
Stocks – all listed Canadian securities, and foreign securities within foreign content limits, offering opportunities for capital appreciation.
Bonds – a wide variety of government and corporate bonds with maturities ranging from one to twenty years.
Treasury Bills – guaranteed by the Government of Canada.
GICs – a selection of GICs insured by Canada Deposit Insurance Corporation. Your Investment Executive "shops" the market to ensure you are earning the most competitive rates.

- Access to a professionally trained ScotiaMcLeod Investment Executive who will help you look at your retirement savings as part of your financial Big Picture, and will provide guidance and advice in meeting your retirement goals.

- Detailed, personalized statements mailed directly to your home, usually monthly.

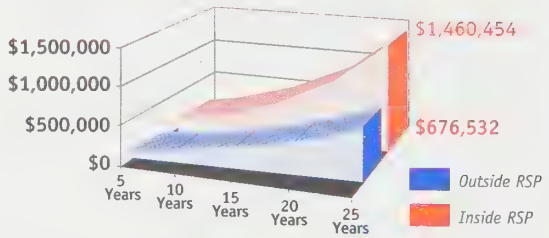
- NO ANNUAL ADMINISTRATION FEE (provided at least 50 individuals participate in the Plan)

The ScotiaMcLeod Professionally-Advised GROUP RSP

A Group RSP is simply a collection of individual RSPs held by you and other employees in your place of employment. Each plan within the Group RSP is an individual RSP and is treated as such. Your plan is registered in your name, you decide how much to contribute each year (subject only to legislated maximums), and with the assistance of a ScotiaMcLeod Investment Executive you make final decisions on how to invest your contributions.

Like an individual plan, a Group RSP provides tax deductions on the contributions you make and tax-sheltered growth of your investments. This means that your savings for retirement benefit from faster compounding which can add up to a considerably larger retirement nest egg.

TAX-DEFERRED VS. AFTER-TAX GROWTH IN AN RSP*



*assuming a 10% rate of return and a 50% tax rate

With the added benefits of payroll deduction and at-source tax deductions, the amount of income tax withheld from your paycheque is reduced. You receive your tax savings each time you contribute, rather than having to wait until you file your tax return to get a tax refund.

If you leave your place of employment, your Group RSP account automatically converts to a regular RSP.

Investments

The ScotiaMcLeod Group RSP offers you the widest choice of investment alternatives. In addition to the investments previously listed – Mutual Funds, Stocks, Bonds, Treasury Bills, and GICs – other investments including your own mortgage can be held in your Group RSP account. Your Investment Executive can give you more information and advice on whether any of these options are appropriate for you.

Professional Advice

In fact, with your ScotiaMcLeod Self-Directed Group RSP, you have access to a fully-trained ScotiaMcLeod Investment Executive to provide professional advice in making your investment decisions. For this reason, we refer to the plan as Professionally-Advised. You and your Investment Executive will consider your objectives and circumstances when choosing the best fit and balance of investments for your RSP. Your Investment Executive will recommend a blend of securities that is designed to help you achieve your goals while keeping your own circumstances and preferences in mind. Performance is important: a diversified, professionally managed portfolio has much higher growth potential.

PERFORMANCE IS IMPORTANT

Canadian Society for Chemistry
Société canadienne de chimie

June 13, 1997 CONFIDENTIAL

Dr. A.G. Fallis, FCIC
Department of Chemistry
University of Ottawa
Ottawa, ON K2N 6N5

Dear Dr. Fallis:

As President of the Canadian Society for Chemistry, I am very pleased to inform you that you have been selected as the 1998 winner of the Alfred Bader Award. This award recognizes excellence in research in organic chemistry. It consists of a scroll, a cash prize of $3000.00 and travel expenses up to a maximum of $500. It is presented through the generosity of Alfred Bader. Attached are the terms of reference for this award.

As the recipient of this award, you are asked to present a lecture on the topic of your choice at the next annual Canadian Society for Chemistry Conference and Exhibition. The next conference will be held in Whistler, BC at the Whistler Conference Centre on May 31 - June 4, 1998. The deadline for abstracts is January 9, 1998.

The Head Office, c/o Program Manager, Awards, would appreciate receiving a photograph and short biographical sketch by July 12, 1997 by e-mail if possible (cic_prog@fox.nstn.ca) for publicity purposes and will be in touch with you again at the end of the year to provide you with more details regarding the award presentation. You may refer to the attached awards booklet for an example of the type of biographical information required. It would be ideal if the biography could be a maximum of one half-page. For the purposes of the April edition of "Canadian Chemical News", in which the award winners are announced, 50 words focusing on your research area or achievements in chemical education will also be required. Please refer to pages 18-27 of the attached copy of 1997 Conference Program.

I encourage the chief nominator, the chair of your university chemistry department, if applicable, or the President of your company, and your local CIC Section to publicize your winning this award in university or company newsletters, local section newsletters and in local newspapers. It would be appreciated if a copy of any publicity you receive could be also provided to the Program Manager, Awards.

A Constituent Society of The Chemical Institute of Canada • Une société constituante de l'Institut de chimie du Canada
130 Slater Street, Suite 550 • Ottawa, Ontario K1P 6E2 • Tel: 613-232-6252 • Fax: 613-232-5862
e-mail: cic_adm@fox.nstn.ca • URL: http://fox.nstn.ca/~cic_adm/

May I extend to you my warmest congratulations and best wishes on winning this award.

Yours sincerely,

Vedene Smith, FCIC
President, Canadian Society for Chemistry

c.c. Dr. Alfred Bader
Dr. Christian Detellier, Chair, Department of Chemistry, University of Ottawa
Dr. Mario Pinto, FCIC, Chair, 1998 CSC Conference
Dr. Steven Holdcroft, MCIC, Program Chair, 1998 CSC Conference
Dr. Howard Alper, FCIC, Chief Nominator
Mr. Derek Ross, MCIC, Chair, Ottawa CIC Local Section

Canadian Society for Chemistry
Société canadienne de chimie

April 8, 1997

TO: Alfred Bader

FROM: Anne Alper

The 1996 audited financial statement for the Alfred Bader Award Fund is enclosed. Please let me know if you have any questions.

Best regards to you and Isabel. Anne

cc. J. Drake, FCIC, Treasurer
D. Goltz, Program Manager Awards

A Constituent Society of The Chemical Institute of Canada • Une société constituante de l'Institut de chimie du Canada
130 Slater Street, Suite 550 • Ottawa, Ontario K1P 6E2 • Tel: 613-232-6252 • Fax: 613-232-5862
e-mail: cic_adm@fox.nstn.ca • URL: http://fox.nstn.ca/~cic_adm/

THE CANADIAN SOCIETY FOR CHEMISTRY

LA SOCIÉTÉ CANADIENNE DE CHIMIE

STATEMENT OF CHANGES IN NET ASSETS
FOR THE YEAR ENDED DECEMBER 31, 1996

ÉTAT DE L' ÉVOLUTION DE L' ACTIF NET
POUR L' EXERCICE TERMINÉ
LE 31 DÉCEMBRE 1996

	1996	1995	
NET ASSETS RESTRICTED FOR DIVISION INITIATIVES FUND			ACTIF NET AFFECTÉ AU FONDS DES PROJETS DES DIVISIONS
Balance - beginning of year	$ 10,046	$ 13,406	Solde, début de l'exercice
Interest income	493	-	Intérêts créditeurs
Division Initiatives program expenditures	-	(3,360)	Dépenses du programme des projets des divisions
Balance - end of year	$ 10,539	$ 10,046	Solde, fin de l'exercice
NET ASSETS RESTRICTED FOR CLARA BENSON AWARD FUND			ACTIF NET AFFECTÉ AU FONDS DE REMISE DE PRIX CLARA BENSON
Balance - beginning of year	$ 20,970	$ 17,207	Solde, début de l'exercice
Contributions from CCUCC	5,000	5,241	Contributions du CDCUC
Interest income	1,162	-	Intérêts créditeurs
Clara Benson program expenditures	(1,632)	(1,478)	Dépenses du programme Clara Benson
Balance - end of year	$ 25,500	$ 20,970	Solde, fin de l'exercice
NET ASSETS RESTRICTED FOR ALFRED BADER AWARD FUND			ACTIF NET AFFECTÉ AU FONDS DE REMISE DE PRIX ALFRED BADER
Balance - beginning of year			Solde, début de l'exercice
As previously reported	$ 49,383	49,664	Montant constaté à la fin de l' exercice précédent
Prior years' adjustment (note 3)	991	991	Ajustement des exercices précédents (note 3)
Balance - beginning of year as restated	50,374	50,655	Solde après ajustement, début de l'exercice
Interest income	3,654	3,647	Intérêts créditeurs
Expenditures - administration	(250)	(268)	Dépenses - administration
- award	(3,000)	(3,000)	- prix
- framed scroll	(164)	(160)	- certificats encadrés
- travel	(500)	(500)	- déplacements
Balance - end of year	$ 50,114	$ 50,374	Solde, fin de l'exercice
UNRESTRICTED NET ASSETS			ACTIF NET NON AFFECTÉ
Balance - beginning of year	$ 283,101	$ 247,283	Solde, début de l'exercice
Net revenue for the year	52,213	35,818	Revenus nets pour l' exercice
Balance - end of year	$ 335,314	$ 283,101	Solde, fin de l'exercice

THE CANADIAN SOCIETY FOR CHEMISTRY

STATEMENT OF REVENUE AND EXPENDITURE
FOR THE YEAR ENDED DECEMBER 31, 1996

LA SOCIÉTÉ CANADIENNE DE CHIMIE

ÉTAT DES REVENUS ET DÉPENSES
POUR L' EXERCICE TERMINÉ
LE 31 DÉCEMBRE 1996

	1996		1995	
	Budget	Actual/ Chiffres Réels	Actual/ Chiffres Réels	
REVENUE				REVENUS
Membership fees	$ 378,000	$ 379,771	$ 397,245	Cotisations d' affiliation
Division and constituent fees	2,000	2,050	2,320	Cotisations des sociétés constituantes et des divisions
Conference	30,000	30,000	50,000	Congrès
Conference residuals	21,500	23,500	5,875	Excédent du congrès
Interest	14,000	22,838	23,744	Intérêts
Symposium series	-	-	118	Symposiums
National Chemistry Week	36,500	44,429	45,341	Semaine nationale de la chimie
Accreditation	7,500	5,000	1,500	Accréditation
Pacifichem 95	-	28,407	-	Pacifichem 95
Rebate - Chemcan Publishers Limited	-	14,055	-	Ristourne - Les Éditeurs Chemcan Limitée
	489,500	550,050	526,143	
EXPENDITURE				DÉPENSES
Constituent Society fees to CIC	368,315	368,315	372,389	Cotisations des sociétés constituantes à l' ICC
Travel and meetings	19,000	17,067	24,113	Déplacements et réunions
Student affairs	9,600	8,464	2,955	Affaires étudiantes
Division support	13,521	10,852	14,180	Soutien aux divisions
Professional fees	4,500	1,930	1,105	Honoraires professionels
Other office costs	3,000	4,421	3,512	Autres frais de bureau
Membership promotion	6,000	1,910	5,141	Recruitement de membres
Accreditation	7,500	2,404	231	Accréditation
Insurance	-	1,548	1,293	Assurance
Translation	-	331	35	Traduction
National Chemistry Week	48,100	60,078	53,179	Semaine nationale de la chimie
Student conferences	5,000	4,800	4,150	Congrès étudiants
Local Section workshop	6,800	9,717	8,042	Atelier des sections locales
Seed money for video	8,000	-	-	Mise de fonds pour les vidéos
Consulting fees	-	6,000	-	Frais de consultation
	499,336	497,837	490,325	
NET REVENUE (EXPENDITURE) FOR THE YEAR	$ (9,836)	$ 52,213	$ 35,818	REVENUS (DÉPENSES) NETS POUR L' EXERCICE

THE CANADIAN SOCIETY FOR CHEMISTRY

NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 1996

LA SOCIÉTÉ CANADIENNE DE CHIMIE

NOTES AUX ÉTATS FINANCIERS
31 DECÉMBRE 1996

1. SIGNIFICANT ACCOUNTING POLICIES

a) Organization

The Society promotes the practice and application of chemistry in Canada and is incorporated under the Canada Corporations Act as a not-for-profit organization.

b) Purpose of the Funds

The Division Initiatives Fund was established in 1989, from funds unused for Division Programming at the III Chemical Congress of North America held in Toronto in 1988, to provide seed monies to the subject divisions to enable them to organize conferences and workshops for their members.

The Clara Benson Award Fund was established in 1992 by the Council of Canadian University Chemistry Chairs (CCUCC) to provide for an annual Award to be presented in recognition of a distinguished contribution to chemistry by a woman while working in Canada.

The Alfred Bader Award Fund was funded by a gift from Alfred Bader. The Award is presented as a mark of distinction to a scientist for excellence in research in organic chemistry carried out in Canada.

b) Revenue Recognition

The Society follows the deferral method of accounting for membership revenue.

1. PRINCIPALES CONVENTIONS COMPTABLES

a) Organisation

La Société a été créée pour promouvoir la pratique et l' application de la chimie au Canada et est un organisme sans but lucratif constitué en vertu de la Loi sur les corporations canadiennes.

b) Objectif des Fonds

Le Fonds des projets des divisions a été créé en 1989, grâce aux fonds inutilisés destinés aux Programmes des divisions au troisième Congrès nord-americain de chimie tenu à Toronto en 1988, dans le but d'avancer des fonds aux divisions pour leur permettre d' organiser des congrès et des ateliers à l' intention de leurs membres.

Le Fonds de remise de prix Clara Benson a été créé en 1992 par le Conseil des doyens de chimie des universités canadiennes (CDCUC) afin de financier l' octroi d'un prix à une femme oeuvrant au Canada pour son apport remarquable dans le domaine de la chimie.

Le Fonds de remise de prix Alfred Bader a été financé par un don d' Alfred Bader. Le prix est décerné à un scientifique qui s'est distingué par ses recherches en chimie organique effectuées au Canada.

b) Comptabilisation des revenus

La Société a adopté la méthode du report des revenus.

2. ACCOUNTS RECEIVABLE / 2. DÉBITEURS

		1996	1995		
Loans - 1996 Newfoundland Conference Committee		$ 30,000	$ 5,000	Prêts - Comité du congrès de Terre-Neuve 1996	
Recoverable expenses	- Newfoundland	24,247	4,041	Frais à recouvrer	- Terre-Neuve
	- Windsor	11,810	-		- Windsor
	- other	1,504	1,468		- Autre
Other		9,746	3,961	Autre	
		$ 77,307	$ 14,470		

Canadian Society for Chemistry
Division of Organic Chemistry
Société Canadienne de Chimie
Section Organique

April 3, 1997

Dr. Alfred Bader,
924 East Juneau,
Suite 622,
Milwaukee, WI, 53202
USA

Dear Dr. Bader:

Congratulations on being awarded an Honorary Fellowship by the Canadian Society for Chemistry. As part of the 80th annual CSC Conference and Exhibition where this award will be presented, the Division of Organic Chemistry is holding a banquet to which all award recipients and invited lecturers receive complimentary invitations. In addition, many other members of the Division attend. This banquet will take place on Monday, June 2 in the Ramada Inn in Windsor. We would be delighted if you and any accompanying person would join us in an evening of good fun and fellowship.

In order to keep track of how many will attend, I would appreciate it if you would let me know if you will attend and. if so, whether you will be accompanied. Please let me know before May21 by phone ([519]253-4232 - Ext 3531), fax ([519]-973-7098) or e-mail (jmci@uwindsor.ca).

As an additional note for your information, the Bader Award Lecture is scheduled to be given by Bob McClelland at 8:20 am on Wednesday, June 4.

I look forward to seeing you at the conference and the banquet.

Sincerely,

John M. McIntosh,
Professor of Chemistry.
Program Chair, Organic Division, CSC

Department of Chemistry, University of Windsor, Windsor, ON., CANADA N9B 3P4
Telephone (519) 253-4232 Fax (519) 973-7098 E-mail jmci@.uwindsor.ca
http://www.chemistry.mcmaster.ca/csc/orgdiv

Canadian Society for Chemistry 80th Annual Conference and Exhibition
http://www.csc97.uwindsor.ca

Alcan International Limited
Kingston Research and Development Centre

Mail Address: Box 8400, Kingston, Ontario, Canada K7L 5L9
Street Address: 945 Princess Street, Kingston, Ontario, Canada
Telephone: 613/541-2400 • Fax: 613/541-2134

11 March 1997

Dr. Alfred R. Bader
2961 N. Shepard Avenue
Milwaukee, Wisconsin 53211
U.S.A.

Subject: **A.C. Neish Competition - 50th Anniversary**

Dear Dr. Bader:

You are cordially invited to attend the 1997 A.C. Neish Competition which will be held on **Wednesday 2 April 1997 beginning at 17h00 in Room FG15 (Frost Wing), Department of Chemistry, Queen's University, Kingston, Ontario, Canada.** This competition highlights the best student research projects in chemistry, chemical engineering or engineering chemistry from the Royal Military College or Queen's University. A light buffet, courtesy of the Department of Chemistry - Queen's University, will be served prior to the start of the oral presentations.

To commemorate the 50th anniversary of the Competition, an article will be published in an upcoming issue of Canadian Chemical News. In order for this article to be as complete as possible, we would like to highlight in just a few words the career of each individual who saw their name engraved on the A.C. Neish trophee.

Next to your name (A.R. Bader, HFCIC) and the A.C. Neish Competition year in which you participated (1947), we plan to write the following:

> *Ph.D. Chemistry - Harvard University; Co-Founder, President and later Chairman - Aldrich Chemical Company; Honorary Degrees from the University of Wisconsin at Milwaukee, Purdue University, University of Wisconsin at Madison, Queen's University, University of Sussex and Northwestern University.*

Could you please check the accuracy of the above information and make any appropriate addition or deletion to its content? **I would appreciate it if you could fax me back (fax # 613-541-2134) any correction or further information which you would like to appear next to your name.**

ALCAN

11 March 1997

If distance prevents you from joining us, you may consider forwarding a short note of encouragement to the students who will be competing that evening: if you send it to my attention, I will make all necessary arrangements to read it during the evening.

A brief response to this invitation would be appreciated.

Yours truly,

Dr. Even J. Lemieux, MCIC
Chairman, Kingston Local Section
The Chemical Institute of Canada

FAX FROM

DR. ALFRED BADER
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone: 414/277-0730
Fax: 414/277-0709

A Chemist Helping Chemists

March 17, 1997

To: Professor Even J. Lemieux
Alcan International Limited
Kingston Research and Development Centre
Fax: 613 / 541-2134

Dear Professor Lemieux:

In response to your letter of March 11th, the information you have about me is correct. If you should ever need some more details, I enclose a copy of my c.v.

Unfortunately, I will not be able to join you on April the 2nd but hope that you can share the enclosed note with the students.

I look forward to being with you at Queen's from October 24th to 28th.

With all good wishes, I remain,

Yours sincerely,

AB/nik

Enclosures

My research at Queen's in 1946-7 and my participating in the A. C. Neish Competition was the beginning of my life in organic chemical research. Now, 50 years later, I still think back to that time with great pleasure, and I hope that you will also in the middle of the next century.

The Chemical Institute of Canada
L'Institut de chimie du Canada

130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Tel: 613-232-6252
Fax: 613-232-3862
e-mail: cic_adm@fox.nstn.ca
URL: http://fox.nstn.ca/~cic_adm

February 23, 1997

TO: Alfred Bader FAX 414-277-0790

FROM: Anne Alper

RE: Honorary Fellowship

Dear Alfred:

It would be possible to have the Honorary Fellowship presented to you during your visit to Toronto in May. However, it would be difficult to have the appropriate people on hand to present the award and give the occasion the proper attention it deserves. (business meetings start several days before the Windsor conference and the CIC officers are involved in these). Before I continue to pursue this, I wanted to make another suggestion.

The individuals who nominated you are mainly from Queen's and they would very much like to have the presentation in Kingston. They have asked me to find out if you are planning to be in the Kingston area before the end of the year.

Please let me know. If it is convenient for you we will arrange the presentation for Kingston, if not we will continue to pursue plans for Toronto on May 28.

I look forward to hearing from you and to seeing you in either Toronto or Kingston.

Best regards to you and Isabel
Anne

Dear Anne
Many thanks
We plan to be in Quebec 24-26
Best regards to you & Anne

The Chemical Institute of Canada
L'Institut de chimie du Canada

130 Slater Street
Ottawa, Ontario
Tel: 613-
Fax: 613-
e-mail: cic
URL: http://fox.nstn.ca/-

July 4, 1996

Dr. Alfred Bader
2961 North Shepard Ave.
Milwaukee Wisconsin
53211, USA

Dear Alfred:

On behalf of Jack Mackey, Chair of the Board of Directors of The Chemical Institute of Canada, it is a great pleasure for me to advise you that you have been elected an Honorary Fellow of the Institute. Honorary Fellows are individuals to whom the Institute wishes to grant special recognition and there are no more than 25 at any one time.

I hope you will be able to attend the 1997 Canadian Society for Chemistry Conference in Windsor, Ontario, June 1 - 5, 1997 to receive your Honorary Fellowship certificate at the Awards Luncheon.

I would appreciate receiving as soon as possible a photograph (head and shoulders, black and white, if possible) and a brief biographical sketch for publication in *Canadian Chemical News* and in our Awards Booklet.

Please accept my sincere personal congratulations on this honor. I hope that you and Isabel will be able to be in Windsor next June and I look forward to seeing you then if not before.

Sincerely yours,

Anne

Anne Alper, MCIC
Executive Director

Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
Fax: 414/277-0709

A Chemist Helping Chemists

August 1, 1996

Dr. Anne Alper
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

Thank you so much for kind letter of July 4th telling me that I have been elected an Honorary Fellow of the Institute. Of course, I am deeply honored, and Isabel and I will do our very best to attend the CIC meeting in Windsor next June. That will certainly be easier than coming to Newfoundland at the end of June!

The requested photograph and CV are enclosed.

Might you like me to give a talk? I also enclose a menu of my talks. The last is serious but might be appropriate.

With all good wishes to you and Howard, I remain,

Yours sincerely,

AB/cw

Enclosures

Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
Fax: 414/277-0709

A Chemist Helping Chemists

September 16, 1996

Dr. Anne Alper
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

I was so happy to learn that I have been elected an Honorary Fellow of the Chemical Institute of Canada. Please accept my sincere thanks.

Windsor will be much easier to reach than Newfoundland, and Isabel and I hope to be able to come to your next annual meeting. My menu of lectures is enclosed, just in case you need a light talk somewhere.

Also, Isabel and I plan to be in Ottawa from Sunday, October 27th through Tuesday, october 29th, and if Howard might like to hear the talk on Couper and Loschmidt in the Chemistry Department on Monday, please just let me know.

You have known for a long time that the way to my heart is to invite me to speak.

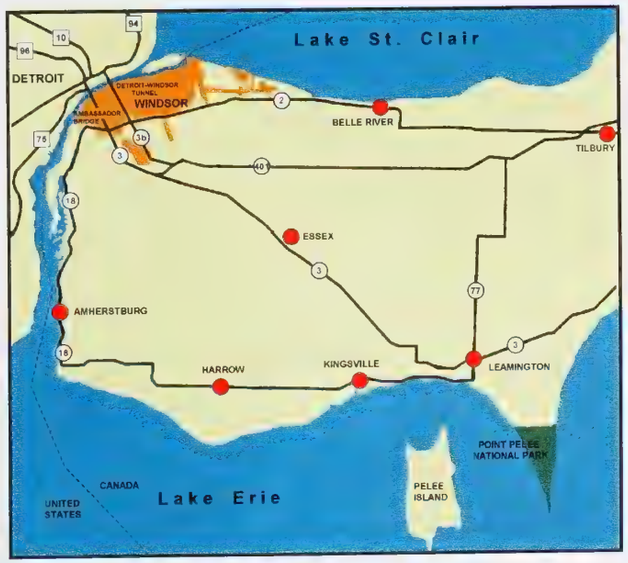
Best wishes, as always,

AB/cw

Enclosure

Travel to Windsor

- Canadian access via Highway 401– about four hours from Toronto.
- Highway access from the U.S. via I-75, I-94, I-96 may use the tunnel or the Ambassador bridge. A valid passport, birth certificate or proof of citizenship is required.
- Via Rail has five passenger trains per day.
- Air Ontario and Canadian Partners have frequent flights from Toronto (one hour) to Windsor Airport.
- Many U.S. Carriers fly into Detroit Metro, which is about 30 minutes from downtown Windsor (via I-94).



Organizing Committee

D.G. Tuck	Chairman	dgtuck@uwindsor.ca
D.J. McKenney	Treasurer	gj9@uwindsor.ca
A.G. Szabo	Fund-Raising	szabo@uwindsor.ca
R.C. Rumfeldt	Logistics Committee	rcr@uwindsor.ca
J. Green	Exhibition Committee	jgreen@uwindsor.ca
L. Lee	Exhibition Committee	llee@uwindsor.ca
B.R. McGarvey	Registration	beprm@uwindsor.ca
D.W. Stephan	Scientific Program	stephan@uwindsor.ca

Divisional Representatives

Questions and inquiries pertaining to specific symposia may be directed to the following divisional representatives:

R. Aroca	g57@uwindsor.ca
P.J. Dutton	dutton@uwindsor.ca
J.D. Goddard	goddard@chemio.uoguelph.ca
S.J. Loeb	loeb@uwindsor.ca
R. Martin	rrhm@julian.uwo.ca
J.M. McIntosh	jmci@uwindsor.ca
A.G. Szabo	szabo@uwindsor.ca
F. Winnik	winnik@mcmail.cis.mcmaster.ca
General Inquiries	csc97@uwindsor.ca

Visit Us on the World Wide Web

WWW.CSC97.UWINDSOR.CA

80 ième Congrès de la Société Canadienne de Chimie et Exposition
th Canadian Society for Chemistry Conference and Exhibition

Chemistry: Bridging the Disciplines

June 1-4, 1997
The Cleary International Centre
Windsor, Ontario, Canada

The City of Windsor and the University of Windsor are proud to be hosts for the 1997 Canadian Society for Chemistry Conference and Exhibition (CSCCE '97). The "City of Roses", with 200 000 people is at the southern-most tip of Canada. Windsor is situated in the middle of North America's Great Lakes and is a four hour drive from Toronto and five minutes from Detroit, Michigan. The scientific and business meetings will be held in the Cleary International Centre, which has a wonderful view of the Detroit River and is close to hotels and other downtown amenities, including Windsor's two casinos. Visit the local industries, various historic sites, picturesque parks and wildlife sanctuaries.

We invite you to come and enjoy our hospitality

Preliminary Scientific Program

Chemistry: Bridging the Disciplines

Program Chair: Douglas W. Stephan

Analytical — R. Aroca

- Separation Science — J. Pawliszyn
- Chemical Sensors — U. Krull
- Electrochemistry (Joint Phys.-Theor.) — G.A. Nazri
- Analytical Spectroscopy of Surfaces and Interfaces (Joint Phys.-Theor.) — R. Aroca
- Advances in Bioanalytical Techniques (Joint Bio.-Med.) — T. Christopoulos
- Advances in ICP-MS — D. Beauchemin
- General Session — M. Thompson
- Poster Session — M. Thompson

Biological and Medicinal — A.G. Szabo

- Optical Spectroscopy of Biomolecules — A.G. Szabo
- Protein Folding, From *In Vitro* to *In Vivo* — K. Adeli
- Advances in Analytical Methods in Biomolecules (Joint Analytical) — T. Christopoulos
- General Session — A.G. Szabo
- Poster Session — A.G. Szabo

Chemical Education — P.J. Dutton

- Research Funding: Academic and Industrial Perspectives — S. Bennett, L. Pillon
- High School Curriculum — J. Young
- Recruitment and Retention of Chemistry Students — J. Takats
- Firsts in Canadian Chemistry — L. Shemilt
- Environmental Chemistry Curricula (Joint Environmental) — R. Martin
- General Session — P.J. Dutton
- Undergraduate Poster Competition — P.J. Dutton

Environmental — R. Martin

- Environmental Chemistry Curricula (Joint Chem. Ed.) — R. Martin
- General Session — R. Martin
- Poster Session — R. Martin

Inorganic — S.J. Loeb

- New Directions in Early Transition Metal Chemistry — D. McConville
- Metallo-Supramolecular Systems — S.J. Loeb, G. Hanan
- Metals in Medicine: A Symposium in Memory of Colin J.L. Lock — M. Abrams, C. Orvig
- Frontiers in the Main Group: Molecules and Materials — D. Richeson
- Chemistry & Material Applications of Metal Alkoxides & Oxides — S. Wang
- Catalysis in Organometallic Chemistry Models, Mechanisms and Applications — T.B. Marder
- The Impact of CCD X-ray Systems on Inorganic Chemistry — D.W. Stephan
- General Session — S.J. Loeb
- Poster Session — J.E. Drake

Macromolecular — F. Winnik

- Organization of Polymers at Interfaces — A. Ritcey
- Polymer Synthesis — S. Stover
- General Session — A. Nathanson
- Poster Session — F. Winnik

Organic — J.M. McIntosh

- The Art of Organic Synthesis — J.M. McIntosh
- Organic Chemistry of Organometallics — J. Green, K. Baines
- Heteroatoms in Organic Synthesis — A. Schwan
- Modification of Chemical Behaviour using Supramolecular Assemblies — J. Scheffer
- General Session — J.M. McIntosh
- Poster Session — J.M. McIntosh

Physical and Theoretical — J.D. Goddard

- Chemical Applications of Synchrotron Radiation — G. Bancroft
- Chemical Applications of Ab Initio Molecular Dynamics — J.S. Tse
- Reaction Dynamics, Atmospheric Chemistry — D. Donaldson
- Quantum Chemistry: Equilibrium Geometries and Transition States for Chemical Reactions: Methods and Applications — J.D. Goddard, H. Schlegel
- Recent Advances in the Spectroscopies of Radicals, Ions, and van der Waals Molecules — R. Lipson
- Electrochemistry (Joint Analytical) — G.A. Nazri
- Analytical Spectroscopy of Surfaces and Interfaces (Joint Analytical) — R. Aroca
- General Session — J.D. Goddard
- Poster Session — J.D. Goddard

The Chemical Institute of Canada
L'Institut de chimie du Canada

130 Slater Street
Ottawa, Ontario
Tel: 61
Fax: 613-
e-mail: cic_adm
URL: http://fox.nstn.ca/~cic_adm

September 30, 1996

BY FAX: 417-277-0709
(original letter and enclosure will follow by mail)

Dr. Alfred Bader, FCIC
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
USA

Dear Alfred:

Thank you very much for your letter of August 1 and September 16. I was pleased to learn that you hope to be able to attend the Awards Banquet at the CSC Conference in Windsor in June to receive your Honorary Fellowship. Some preliminary information on the Conference is enclosed. We will send you further details as they are available.

Thank you also for providing a list of your talks. Honorary Fellows are not required to present a lecture however, we have taken the liberty of sending the list to the Program Chair and the Chemical Education Division in case they wish to follow up with you about a lecture.

I was pleased to learn that you and Isabel will be in Ottawa from October 27-29. Howard told me you have agreed to give a lecture at the University of Ottawa on Monday, October 28. It would be delightful if you and Isabel and her sister and husband could come to dinner at our home that night. Please let me know.

We look forward to seeing you.

Sincerely yours,

Anne Alper

Anne Alper, MCIC
Executive Director

cc. Diane Goltz, Program Manager, Conferences

AA/ra
Encl.

H.A. fax 613 562 5871

[illegible] I will [illegible]
forward [illegible] returned to allow [illegible]
him to keep on to your question about
Monday's [illegible]

Canadian Society for Chemistry
Société canadienne de chimie

September 3, 1996

Mr. Jason Pitters, MCIC
c/o Dr. Mark Workentin, MCIC
The University of Western Ontario
Chemistry Building
London, ON N6A 5B7

Dear Mr. Pitters:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1996.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great supporter of chemistry in Canada. The responsibility for the administration of these funds has been given to Queen's University.

You will be presented with a cheque for $1,000 shortly once you let me know your social insurance number.

Thank you for having provided me with a short biographical sketch and a photograph for publicity purposes.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. Dr. Alfred Bader ✓
Dr. R.S. Brown, FCIC, Head, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Peter Legzdins, FCIC, CSC Director, Awards
Dr. A.C. Weedon, Chair, Dept. of Chemistry, University of Western Ontario

A Constituent Society of The Chemical Institute of Canada • Une société constituante de l'Institut de chimie du Canada
130 Slater Street, Suite 550 • Ottawa, Ontario K1P 6E2 • Tel: 613-232-6252 • Fax: 613-232-5862
e-mail: cic_adm@fox.nstn.ca • URL: http://fox.nstn.ca/~cic_adm/

Canadian Society for Chemistry
Société canadienne de chimie

September 3, 1996

Mr. Hoa Ly
75 Summit Avenue
Kitchener, ON N2M 4W7

Dear Mr. Ly:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1996.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great supporter of chemistry in Canada. The responsibility for the administration of these funds has been given to Queen's University.

You will be presented with a cheque for $1,000 shortly once you let me know your social insurance number.

Could you please provide me with a short biographical sketch and a photograph for publicity purposes as soon as possible.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. Dr. Alfred Bader ✓
Dr. R.S. Brown, FCIC, Head, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Peter Legzdins, FCIC, CSC Director, Awards
Dr. Lew Brubacher, MCIC, Dept. of Chemistry, University of Waterloo
Dr. F.R. McCourt, MCIC, Chair, Dept. of Chemistry, University of Waterloo

A Constituent Society of The Chemical Institute of Canada • Une société constituante de l'Institut de chimie du Canada
130 Slater Street, Suite 550 • Ottawa, Ontario K1P 6E2 • Tel: 613-232-6252 • Fax: 613-232-5862
e-mail: cic_adm@fox.nstn.ca • URL: http://fox.nstn.ca/~cic_adm/

Canadian Society for Chemistry
Société canadienne de chimie

September 3, 1996

Ms. Heather Dobson
2691 Fairview Crescent
Room 1
Vancouver, BC V6T 2B8

Dear Ms. Dobson:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1996.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great supporter of chemistry in Canada. The responsibility for the administration of these funds has been given to Queen's University.

You will be presented with a cheque for $1,000 shortly once you let me know your social insurance number.

Could you please provide me with a short biographical sketch and a photograph for publicity purposes as soon as possible.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. Dr. Alfred Bader ✓
Dr. R.S. Brown, FCIC, Head, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Peter Legzdins, FCIC, CSC Director, Awards
Dr. Lew Brubacher, MCIC, Dept. of Chemistry, University of Waterloo
Dr. F.R. McCourt, MCIC, Chair, Dept. of Chemistry, University of Waterloo

A Constituent Society of The Chemical Institute of Canada • Une société constituante de l'Institut de chimie du Canada
130 Slater Street, Suite 550 • Ottawa, Ontario K1P 6E2 • Tel: 613-232-6252 • Fax: 613-232-5862
e-mail: cic_adm@fox.nstn.ca • URL: http://fox.nstn.ca/~cic_adm/

FAX FROM

DR. ALFRED BADER
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone: 414/277-0730
Fax: 414/277-0709

Date: Oct. 8 96 2 pages

To: Dr. Anne Alger
Fax: 613 232 5862
CIC

Message:

Dear Anne

Marion Dick (a widow), Isabel's sister looks forward to joining us for dinner on the Monday evening.

Can forward plan for my talk on Monday afternoon, so that Isabel and I can accept the invitation (enclosed, received to-day, Canadian mails!) from the Austrian ambassador.

Best wishes

Anne

Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
Fax: 414/277-0709

A Chemist Helping Chemists

November 1, 1996

Dr. Howard and Dr. Anne Alper
513 Wilbrod Avenue
Ottawa, Ontario
Canada K1N 5R4

Dear Anne and Howard:

Being with you earlier this week was really one of the highlights of our trip, and I want to thank you most sincerely for your hospitality.

A copy of my letter to the executive vice president of Aldrich, Dr. Clinton Lane, is enclosed and will be self-explanatory. I suspect that some of the back-ordered items which are very hazardous had to be shipped differently. But we'll see what reply you receive.

Enclosed as promised, please find a copy of Isabel's convocation speech, given when she received her honorary doctorate at Victoria University last year.

Howard, I so appreciated your advice about the Queen's chair in chemistry. Hopefully, someone will be picked during my lifetime.

I also mentioned to you that Aldrich still very actively looks for research samples to be put into our Library of Rare Chemicals. Please don't let any be thrown away, and if you think that some might fit into the Library, I will put you in touch with a very competent man, Bob Wandler, who is running this operation.

With all good wishes from house to house, I remain,

Yours sincerely,

AB/cw
Enclosures
bc: Bob Wandler

Canadian Society for Chemistry
Société canadienne de chimie

June 5, 1996 ~~CONFIDENTIAL~~

Dr. Robert A. McClelland, MCIC
Department of Chemistry
University of Toronto
80 St. George Street
Toronto, ON M5S 1A1

Dear Dr. McClelland:

As President of the Canadian Society for Chemistry, I am very pleased to inform you that you have been selected as the 1997 winner of the Alfred Bader Award. This award recognizes excellence in research in organic chemistry. It consists of a scroll, a cash prize of $3000.00 and travel expenses up to a maximum of $500. It is presented through the generosity of Alfred Bader. Attached are the terms of reference for this award.

As the recipient of this award, you are asked to present a lecture on the topic of your choice at the next annual Canadian Society for Chemistry Conference and Exhibition. The next conference will be held in Windsor, Ontario at the Cleary International Centre on May 31 - June 4, 1997. The deadline for abstracts is January 10, 1997.

The Head Office, c/o Diane Goltz, Program Manager, Awards, would appreciate receiving a photograph and short biographical sketch by July 12, 1996 by e-mail if possible (cic_prog@fox.nstn.ca) for publicity purposes and will be in touch with you again at the end of the year to provide you with more details regarding the award presentation. You may refer to the attached awards booklet for an example of the type of biographical information required. It would be ideal if the biography could be a maximum of one half-page. For the purposes of the April edition of "Canadian Chemical News", in which the award winners are announced, 50 words focusing on your research area will also be required. Please refer to pages 20-27 of the attached copy of 1996 Conference Program.

I encourage the chief nominator, the chair of your university chemistry department, if applicable, or the President of your company, and your local CIC Section to publicize your winning this award in university or company newsletters, local section newsletters and in local newspapers. It would be appreciated if a copy of any publicity you receive could be provided to Diane Goltz.

A Constituent Society of The Chemical Institute of Canada • Une société constituante de l'Institut de chimie du Canada

130 Slater Street, Suite 550 • Ottawa, Ontario K1P 6E2 • Tel: 613-232-6252 • Fax: 613-232-5862
e-mail: cic_adm@fox.nstn.ca • URL: http://fox.nstn.ca/~cic_adm/

May I extend to you my warmest congratulations and best wishes on winning this award.

Yours sincerely,

Ron Steer, FCIC
President, Canadian Society for Chemistry

c.c. √ Dr. Alfred Bader
Dr. Martin Moskovits, Chair, Department of Chemistry, University of Toronto
Dr. Dennis Tuck, FCIC, Chair, 1997 CSC Conference
Dr. Douglas Stephan, MCIC, Program Chair, 1997 CSC Conference
Dr. J.B. Jones, FCIC, Chief Nominator
Dr. Len Walker, MCIC, Chair, Toronto CIC Local Section

CANADIAN SOCIETY FOR CHEMISTRY - 1997 AWARD WINNERS

ALCAN AWARD

Dr. John F. Harrod, FCIC
Department of Chemistry
McGill University
801 Sherbrooke Street West
Montreal, QC H3A 2K6

Tel: 514-398-6911
Fax: 514-398-3797
E-mail:

ALFRED BADER AWARD

Dr. Robert A. McClelland, MCIC
Department of Chemistry
University of Toronto
80 St. George Street
Toronto, ON M5S 1A1
Tel: 416-978-3603
Fax: 416-978-8775
E-mail:

BIO-MÉGA BOEHRINGER/ INGELHEIM AWARD

Dr. J. McCarter
Postdoctoral Fellow
Department of Chemistry
University of California at
Berkeley
229 Stanley Hall
Berkeley, CA 94720-3206

Tel: 510-642-7373
Fax: 510-643-9290
E-mail:

CLARA BENSON AWARD

Dr. M. Palcic
Department of Chemistry
University of Alberta
Edmonton, AB T6G 2G2

Tel: 403-492-0377
Fax: 403-492-8231

FISHER SCIENTIFIC AWARD

Dr. Donald J. Douglas
Department of Chemistry
University of British Columbia
2036 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-3057
Fax: 604-822-2847
E-mail:

HOFFMANN-LA ROCHE LIMITED AWARD

Dr. René Roy
Department of Chemistry
University of Ottawa
Ottawa, ON K1N 9B4

Tel: 613-564-2938
Fax: 613-564-6793
E-mail:

R.U. LEMIEUX AWARD

Dr. Victor A. Snieckus, FCIC
Department of Chemistry
University of Waterloo
Waterloo, ON N2L 3G1

Tel: 519-888-4007
Fax: 519-746-5884
E-mail: snieckus@buli.uwaterloo.ca

McBRYDE MEDAL

Dr. Bruce A. Thomson
Principal Research Scientist
SCIEX, Division of MDS Health Group
71 Four Valley Drive
Concord, ON L4K 4V6

Tel: 905-660-9005
Fax: 905-660-2600
E-mail:

MERCK FROSST CENTRE FOR THERAPEUTIC RESEARCH AWARD

Dr. Donald F. Weaver, MCIC
Department of Chemistry
Queen's University
Kingston, ON K7L 3N6

Tel: 613-545-6521
Fax: 613-545-6669
E-mail:

NORANDA AWARD

Dr. Kam T. Leung
Department of Chemistry
University of Waterloo
Waterloo, ON N2L 3G1

Tel: 519-888-4567, x5826
Fax:
E-mail: tong@uwaterloo.ca

JOHN C. POLANYI AWARD

Dr. R.F.W. Bader, FCIC
Department of Chemistry
McMaster University
1280 Main Street West
Hamilton, ON L8S 4M1

Tel: 905-525-9140, x4524
Fax:
E-mail:

E.W.R. STEACIE AWARD

Dr. B.R. James, FCIC
Department of Chemistry
University of British Columbia
2036 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-6645
Fax: 604-822-2847
E-mail: brj@chem.ubc.ca

FOR MORE INFORMATION:

Diane Goltz, Program Manager, Awards
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, ON K1P 6E2
Tel: 613-232-6252
Fax: 613-232-5862
E-mail: cic_prog@fox.nstn.ca

Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
Fax: 414/277-0709

A Chemist Helping Chemists

May 16, 1996

Ms. Diane Goltz
Program Manager, Awards
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Ms. Goltz:

Thank you for your kind invitation to St. John's Newfoundland.

Unfortunately, that meeting is being held much later than usual, and we have to be in England at that time.

We very much hope that you will invite us again to next year's meeting. Do you know ~~whwere~~ where and when it will be held?

With best personal regards to you and Dr. Anne Alper, I remain,

Yours sincerely,

AB/cw

The Chemical Institute of Canada

L'Institut de chimie du Canada

Diane Goltz

Program Manager – Conferences, Divisions, Awards
Gestionnaire – Conférences, divisions et prix

130 Slater, Suite 550
Ottawa, Ontario K1P 6E2

Tel: (613) 232-6252
Fax: (613) 232-5862
E-mail: cic_prog@fox.nstn.ca

Check us out online.

Veuillez nous rendre une visite électronique.

http://fox.nstn.ca/~cic_adm/

The Chemical Institute of Canada / L'Institut de chimie du Canada
130 Slater Street, Suite 550, Ottawa, ON, Canada K1P 6E2
Tel: 613-232-6252; Fax: 613-232-5862; e-mail: cic_adm@fox.nstn.ca

Canadian Society for Chemistry
Société Canadienne de Chimie

May 7, 1996

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

Re: Alfred Bader Lecture Award

I am pleased to provide you with information regarding the awards luncheon and Presidents' reception taking place during the 79th Canadian Society for Chemistry Conference and Exhibition on Tuesday, June 25 at Murray's Pond near Memorial University, St. John's, NF. Please note that return shuttle service is available from the Loading Area, Prince Philip Drive Entrance, Chemistry & Physics Building, Memorial University to Murray's Pond from 11:00 a.m. until 2:00 p.m. I would like to take this opportunity to thank you for your continued support.

The Chemical Institute of Canada and its constituent societies are honoured to invite you and a guest, to the President's reception, a special reception for award winners, sponsors, accompanying persons, Society officers and members of the Conference Organizing Committee, which will take place at 11:00 at Murray's Pond. During this reception, you will be introduced to the Alfred Bader Lecture Award winner, Dr. Ronald Kluger. Informal photographs will be taken and a luncheon seating arrangement will be available for reference.

At 12:10, we will proceed to the awards luncheon. Lunch will commence at 12:15 and Dr. Murray Brooker, Conference Chair and the Master of Ceremonies, will welcome everyone to the luncheon. As dessert and coffee are being served, the award presentations will begin. The CIC awards will be presented first followed by the CSCT and CSC awards. The CIC President will introduce in turn each CIC award winner and sponsor and the presentation by the sponsor representative will be made; subsequently, the CSCT representative will do the same for the CSCT awards and finally the presentation of the CSC awards will take place in a similar manner.

As the Alfred Bader Lecture Award is announced, you are kindly asked to come forward to present it to Dr. Ronald Kluger. A photographer will take pictures of this presentation and you would then return to your table. Unfortunately, due to limited time, award winners and sponsor representatives will not have the opportunity to speak.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

The awards luncheon tickets, badges and a copy of the awards booklet will be provided to you at the arboretum. A draft copy of the protocol and schedule of awards presentations will follow. You will receive an updated copy at the Presidents' reception. Please see me.

I look forward to your favourable response. Please let me know as soon as possible if you, or another representative, are able to attend; whether or not you or your representative will be accompanied; and whether or not you will require a special meal. Please do not hesitate to call me if you require additional information.

Yours sincerely,

Diane Goltz

Diane Goltz
Program Manager,
Awards, Conferences
and Divisions

Att.

Canadian Society for Chemistry
Société Canadienne de Chimie

August 31, 1995

CONFIDENTIAL

Mr. Andrew Vaughan
c/o Dr. Robert Singer
Department of Chemistry
Saint Mary's University
Halifax, NS B3H 3C3

Dear Mr. Vaughan:

Further to our telephone conversation of August 30 when you informed me that you are planning to attend a University in San Diego, California, and after consultation with the Chair of the Selection Committee and Dr. Alfred Bader, I regret to inform you that you will not be granted an Alfred Bader Scholarship since attendance at a non-Canadian university contravenes the terms of reference for the Alfred Bader Scholarships.

Congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Tom Swaddle, FCIC, CSC Director, Awards
Dr. Jack Ginsburg, Chair, Dept. of Chemistry, St. Mary's University

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

August 16, 1995

Mr. Andrew Vaughan
c/o Dr. Robert Singer
Department of Chemistry
Saint Mary's University
Halifax, NS B3H 3C3

Dear Mr. Vaughan:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1995.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great friend of Queen's University. The responsibility for the administration of these funds has been given to the University.

You will be presented with a cheque for $1,000 shortly once you let me know your social insurance number.

Thank you for the short biographical sketch provided by Dr. Singer for publicity purposes.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. ✓ Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Tom Swaddle, FCIC, CSC Director, Awards
Dr. Jack Ginsburg, Chair, Dept. of Chemistry, St. Mary's University

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

le 31 août 1995 CONFIDENTIEL

M. Daniel Chapdelaine
s/d Dr. Pierre Deslongchamps
Département de chimie
Université de Sherbrooke
Sherbrooke, QC J1K 2R1

Monsieur:

J'aimerais vous informer que, suite à ma lettre en date du 16 août, un des candidats censés de recevoir une bourse Alfred-Bader ne qualifie plus parce qu'il suivra ses études aux États-unis. J'ai le plaisir de vous informer que vous avez gagné une bourse Alfred-Bader pour l'année 1995.

Les fonds pour ces bourses sont généreusement offertes par Dr. Alfred A. Bader, un ami de Queen's University. L'Université est responsable pour l'administration de ces fonds.

Vous recevrez bientôt un chèque au montant de 1 000 $ lorsque vous me donnez votre numéro d'assurance sociale.

J'attends de votre part, avant le 10 septembre, une courte biographie et un photo aux fins publicitaires dans l'édition de Novembre/Décembre de l'"Actualité chimique canadienne".

Je vous souhaite du succès avec vos études et je vous prie d'agréer, monsieur, l'expression de mes sentiments les plus respectueux.

Directrice des prix,
congrès et divisions
Diane Goltz
Diane Goltz

c.c. Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Département de chimie, Queen's University
Dr. Tom Swaddle, FCIC, Directeur des prix de la SCC
Dr. Hugues Ménard, MCIC, Directeur, Département de chimie, Université de Sherbrooke
Dr. Pierre Deslongchamps, FCIC, Département de chimie, Université de Sherbrooke

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

Canadian Society for Chemistry
Société Canadienne de Chimie

August 31, 1995

CONFIDENTIAL

Mr. James Blackwell
c/o Dr. Adrian Schwan
Department of Chemistry & Biochemistry
University of Guelph
Guelph, ON N1G 2W1

Dear Mr. Blackwell:

It is a pleasure to advise you that, further to my letter of August 16, one of the candidates selected to win one of the Alfred Bader Scholarships has chosen to attend an American university which contravenes the terms of reference. I am pleased to inform you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1995.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great friend of Queen's University. The responsibility for the administration of these funds has been given to the University.

You will be presented with a cheque for $1,000 shortly once you let me know your social insurance number.

I look forward to receiving, by September 10, a short biographical sketch and a photograph for publicity purposes.

Please accept congratulations and best wishes for continued academic success.

Sincerely,
Diane Goltz
Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Tom Swaddle, FCIC, CSC Director, Awards
Dr. Robert McCrindle, MCIC, Chair, Dept. of Chemistry, University of Guelph
Dr. Adrian Schwan, MCIC, Department of Chemistry, University of Guelph

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

Canadian Society for Chemistry
Société Canadienne de Chimie

August 16, 1995

Mr. Neil G. Andersen
c/o Dr. Brian Keay, MCIC
Department of Chemistry
University of Calgary
2500 University Drive NW
Calgary, AB T2N 1N4

Dear Mr. Andersen:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1995.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great friend of Queen's University. The responsibility for the administration of these funds has been given to the University.

You will be presented with a cheque for $1,000 shortly once you let me know your social insurance number.

Thank you for having provided me with a short biographical sketch and a photograph for publicity purposes.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. ✓ Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Tom Swaddle, FCIC, CSC Director, Awards
Dr. Penelope W. Codding, FCIC, Chair, Dept. of Chemistry, University of Calgary

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

Canadian Society for Chemistry
Société Canadienne de Chimie

August 16, 1995

Mr. Mark MacLachlan
1702 Dogwood Road
Quesnel, BC V2J 4B7

Dear Mr. MacLachlan:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1995.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great friend of Queen's University. The responsibility for the administration of these funds has been given to the University.

You will be presented with a cheque for $1,000 shortly once you let me know your social insurance number.

Thank you for having provided me with a short biographical sketch and a photograph for publicity purposes.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. ✓ Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Tom Swaddle, FCIC, CSC Director, Awards
Dr. John Scheffer, Dept. of Chemistry, University of British Columbia
Dr. Peter Legzdins, FCIC, Dept. of Chemistry, University of British Columbia

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

A Chemist Helping Chemists

September 18, 1995

Ms. Diane Goltz
Program Manager, Awards
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Ms. Goltz:

Thank you for your thoughtful letter of August 31st and those beautiful photographs and the copy of the "Canadian Chemical News".

It is a great pity that the next conference will be held in Newfoundland so late in June. It isn't so much that Newfoundland is so inaccessible as the fact that it is late in June. Were the meeting again at the end of May, we could attend.

In order to plan ahead, could you please tell me where the 1997 meeting will be held and when?

Of course, Isabel and I were delighted to know that you had 11 applicants for the Bader scholarships, and I hope that that will continue.

With all good wishes, I remain,

Yours sincerely,

AB/cw

Canadian Society for Chemistry
Société Canadienne de Chimie

August 31, 1995

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

On behalf of the Canadian Society for Chemistry, I wish to thank you for your continued sponsorship.

I am pleased to provide you with photographs of the Alfred Bader award and scholarship presentations, the Alfred Bader lecture and your book signing and sale, which took place at the 78th Canadian Society for Chemistry Conference and Exhibition in Guelph, Ontario on May 30, 1995. In 1995, you presented the Alfred Bader award to Dr. Donald Arnold and the Scholarships to Karine Auclair and Denise Baron. I also enclose an additional copy of the awards booklet provided to all delegates attending the Conference, a copy of the September issue of "Canadian Chemical News", in which there is a conference report and an excellent photograph of you on page 37, and a copy of the preliminary program for the 1996 CSC Conference.

I have attached an advice, for your information, for the expenses associated with the 1995 Alfred Bader Lecture Award.

I am happy to report that there were 11 applications for the Alfred Bader Scholarships this year. With a new deadline of May 15, 1996, as we discussed, we may be able to increase the number of applicants. Thank you for deciding to award four scholarships this year.

I gratefully acknowledge your important contribution to the Canadian Society for Chemistry.

Please do not hesitate to call me if you require additional information.

Sincerely,
Diane Goltz
Diane Goltz
Program Manager, Awards

Att.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

June 7, 1995 CONFIDENTIAL

Dr. Ronald Kluger, FCIC
Department of Chemistry
University of Toronto
Toronto, ON M5S 1A1

Dear Dr. Kluger:

As President of the Canadian Society for Chemistry, I am very pleased to inform you that you have been selected as the 1996 winner of the Alfred Bader Award. This award recognizes excellence in research in organic chemistry. It consists of a scroll, a cash prize of $3000.00 and travel expenses up to a maximum of $500. It is presented through the generosity of Alfred Bader. Attached are the terms of reference for this award.

As the recipient of this award, you are asked to present a lecture on the topic of your choice at the next annual Canadian Society for Chemistry Conference and Exhibition. The next conference will be held in St. John's, Newfoundland on June 23-26, 1996. The deadline for abstracts is January 10, 1996. I am pleased to enclose a preliminary list of symposia for this conference.

The National Office, c/o Diane Goltz, Program Manager, Awards, would appreciate receiving a photograph and short biographical sketch by July 30, 1995 for publicity purposes and will be in touch with you again in the new year to provide you with more details regarding the award presentation. You may refer to the attached awards booklet for an example of the type of biographical information required. It would be ideal if the biography could be a maximum of one half-page. For the purposes of the April edition of "Canadian Chemical News", in which the award winners are announced, 50 words focusing on your research area will also be required.

I encourage the chief nominator, the chair of your university chemistry department, if applicable, and your local CIC Section to publicize your winning this award in university or company newsletters, local section newsletters and in local newspapers. It would be appreciated if a copy of any publicity you receive could be provided to Diane Goltz.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

May I extend to you my warmest congratulations and best wishes on winning this award.

Yours sincerely,

Ron Steer, FCIC
President, Canadian Society for Chemistry

c.c. √ Dr. Alfred Bader
Dr. Martin Moskovits, Chair, Department of Chemistry, University of Toronto
Dr. Murray Brooker, FCIC, Chair, 1996 CSC Conference
Dr. Robert Lucas, FCIC, Program Chair, 1996 CSC Conference
Dr. R.A. McClelland, MCIC, Chief Nominator
Dr. Len Walker, MCIC, Chair, Toronto CIC Local Section

Canadian Society for Chemistry
Société Canadienne de Chimie

December 9, 1994

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

In response to your letter of November 9 to Anne Alper and further to her letter of November 29, I wish to outline the advertising which does take place for the Alfred Bader Scholarships.

These scholarships and others are advertised widely in a mailing each fall to all universities, colleges and CEGEPs through department chairs and faculty advisors as well as to local section chairs, all board members and division chairs. The newsletter sent to members of the Organic Chemistry Division, for which there are 730 members, included a copy of the terms of reference for these scholarships, and will continue to do so. The Handbook provided to faculty advisors and student chapter presidents also featured the terms of reference. A call for nominations appears in "Canadian Chemical News" which currently has a circulation of approximately 6,200. I am also pursuing the possibility of including this scholarship in the awards booklets published by universities and other educational institutions for its students. Although you may feel that the award was not well advertised, there were nine applications submitted in 1994; there were five in 1992; none in 1992 and two in 1990. I believe this indicates that your scholarships really are becoming more well known.

I will certainly do my best to ensure that these scholarships are publicized as widely as possible. If you can think of any other way in which I could further promote these awards, I am open to suggestions.

Thank you, Dr. Bader, for your continued interest in supporting Canadian students in organic chemistry. Best wishes.

Sincerely,

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. Dr. Anne Alper, Executive Director
Dr. Ron Yeats, MCIC, Chair, Organic Chemistry Division
Dr. Tom Swaddle, FCIC, CSC Director, Awards

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

Canadian Society for Chemistry
Société Canadienne de Chimie

November 29, 1994

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
53211, USA

Dear Alfred:

Thank you for your letter of November 9 which arrived while I was away from the office. Howard and I were disappointed to miss your annual visit to Ottawa with Isabel and your presentation at Temple Israel.

I was sorry to learn that you were discouraged by Professor Swaddle's letter. The situation in 1995 was exceptional and not due to a lack of candidates but rather to a great difference between the calibre of the winners and the other applicants. Dr. Swaddle and the committee deliberated at length over the decision and agreed that it was not appropriate to have a third winner of a Bader Scholarship who was clearly at a different level than the other two winners of the same award. I believe that we should accept their conscientious decision in this case in order to uphold the standard of the Bader Scholarships.

Diane Goltz, who administers our awards at the national office, ensures that information on the Bader Scholarships is provided to all Departments of Chemistry. She has written to you describing the additional efforts that are being made to publicize these awards this year. I hope you will continue to encourage nominations when you are speaking with your many colleagues and friends in the organic chemistry community in Canada.

I was pleased to learn that you will be delivering the opening lecture at the 1995 Conference in Guelph. I look forward to seeing you and Isabel then if not before.

Sincerely yours,

Anne

A.E. Alper, MCIC
Executive Secretary

AA/ra

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

November 29, 1994

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
53211, USA

Dear Alfred:

Thank you for your letter of November 9 which arrived while I was away from the office. Howard and I were disappointed to miss your annual visit to Ottawa with Isabel and your presentation at Temple Israel.

I was sorry to learn that you were discouraged by Professor Swaddle's letter. The situation in 1995 was exceptional and not due to a lack of candidates but rather to a great difference between the calibre of the winners and the other applicants. Dr. Swaddle and the committee deliberated at length over the decision and agreed that it was not appropriate to have a third winner of a Bader Scholarship who was clearly at a different level than the other two winners of the same award. I believe that we should accept their conscientious decision in this case in order to uphold the standard of the Bader Scholarships.

Diane Goltz, who administers our awards at the national office, ensures that information on the Bader Scholarships is provided to all Departments of Chemistry. She has written to you describing the additional efforts that are being made to publicize these awards this year. I hope you will continue to encourage nominations when you are speaking with your many colleagues and friends in the organic chemistry community in Canada.

I was pleased to learn that you will be delivering the opening lecture at the 1995 Conference in Guelph. I look forward to seeing you and Isabel then if not before.

Sincerely yours,

Anne

A.E. Alper, MCIC
Executive Secretary

AA/ra

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-586

Eidgenössische
Technische Hochschule
Zürich

Ecole polytechnique fédérale de Zurich
Politecnico federale di Zurigo
Swiss Federal Institute of Technology Zurich

Prof. i.R. Dr. Albert Eschenmoser
Laboratorium für Organische Chemie
ETH Zentrum - Universitätstrasse 16
CH-8092 Zürich/Switzerland

NEU
Telefon: 01/63 2 2893
Telefax: 01/63 2 1043

Zürich, November 30, 1994

Dr. Alfred Bader
2961 North Shepard Avenue

Milwaukee, Wisconsin 53211
USA

Dear Alfred,

Thank you very much for your letter of November 9 and the manuscript of your Loschmidt-chapter in your forthcoming biography. I am sure, the latter is going to be a bestseller among chemists, and the former is an important text, also in connection with what is going to be in Vienna next June. (I also received a preparatory text from Schiemenz in Kiel!)

I am looking forward seeing you again in Vienna. Until then, kind regards and best wishes

Canadian Society for Chemistry

75th Conference Lectures

The Bible Through Dutch Eyes (Rembrandt and the Jews)

by Dr. Alfred Bader

Free Public Lecture

At The King's University College, 9125 50th Street

Tuesday, April 11th, 1995, at 7:30 P.M..

One of the remarkable aspects of life in seventeenth century Holland was the study of the Bible. The Dutch saw the people of the Bible as real people. Some artists showed special interest in particular books. Often the passages are so obscure that for centuries people have misconstrued the subjects of the paintings. Dutch artists often portrayed dramatic, strong emotions such as joy and amazement, sadness and fear. The Dutch Reformed Church encouraged an intimate interest in the Bible, as did others. No paintings of any other period or country have ever treated Biblical stories with such warmth and humanity.

- **Dr. Alfred Bader,** an organic chemist, is the founder of the highly successful Aldrich Chemical Co.. In the early 1950's, he saw the need for the chemical community to be able to purchase a wide variety of chemical compounds, and Aldrich provided these. Dr. Bader is also a collector of Dutch old master paintings and a student of the Bible. On April 1, 1995, he received the Parsons Award from the American Chemical Society. The Parsons Award recognizes outstanding public service.
- The **75th Conference Lectures** are a legacy left to the scientific community of Edmonton as a result of the successful 75th Canadian Chemical Conference and Exhibition, held in June, 1992.
- This lecture is also sponsored by the University of Alberta.

For further information please contact:

Kara Rosenquist

Phone: 466-0295

or

Jean Cooley

Phone: 970-6934

Fax: 970-6805

75th CSC Conference Lectures

Schedule for Dr. Alfred Bader's visit April 9-12th 1995

Sunday 9th April:

Dr. and Mrs. Bader arrive. Early afternoon (time to be confirmed)
We will meet the plane if we have the flight information.

Hotel MacDonald, 10065 100 Street
April 9 - 12
Confirmation number 6364
Non Smoking room with two double beds

Evening: dinner with Gerry Tertzakian

Monday 10th April:

Early Morning
Morning Transportation arranged from Hotel to U of A Chemistry Department
Tour of Chemistry Department by Dr. Ron Kratochvil, Chair
Discussion with Dr. Stan Brown (future Chair of the Chemistry Department, Queen's University)
Discussion with other members of the Chemistry Department

11.00am talk at U of A Chemistry Department

"Josef Loschmidt - The Father of Molecular Modelling"

Lunch
Members of the Chemistry Department

Afternoon and Dinner
with Dr. Norman Jones and Mrs. Jones

Evening
7.00 pm at the Edmonton Art Gallery

7.00-8.00	Gallery will be open for viewing.
8.00 Talk	**"The Adventures of a Chemist-Collector"**

Tuesday 11th April
Morning
Continue in the Chemistry Department (same as April 10)

11.00 am talk at U of A Chemistry Department

"History of the Aldrich Chemical Co."

Lunch: with Dr Fraser (President U of A and Alumnus of Queen's) ➡ 3.30pm

Early dinner
Members of the CSC Lecture series, La Ronde Restaurant at Crowne Plaza Hotel

7.30pm Talk at King's University College

"The Bible Through Dutch Eyes (Rembrandt and the Jews)"

Wednesday 12th April: Depart

March 13, 1995

Dear Dr. Bader

We have made further plans for your visit to Edmonton on April 9-11 and I want to confirm them with you.

I have booked you and Mrs. Bader at the Hotel MacDonald which is a CP hotel located downtown. I have requested a non smoking room with two double beds. I think you will be very comfortable in this hotel.

I assume you will be making your own travel arrangements. If you tell us on which flight you will be arriving we can arrange for some one to meet you and take you to your hotel and later to the Tertzakians' home. As you know the Tertzakians have invited you and Mrs. Bader to dinner on Sunday.

On Monday the first lecture is scheduled at 11:00 am at the University. Prior to that Dr. Kratochvil, Chemistry Department Chair, would like to give you a tour of the Department. Also he would like to schedule some time for you to meet with Dr. Stan Brown who will be joining Queen's University as Chair of the Chemistry Department. If you suggest at what time you would like to begin your day, Dr. Kratochvil will arrange transportation to the University for you.

We are publicizing your lectures at the Art Gallery and at King's College University. An additional means to do this would be through a Monday morning short interview on our local CBC radio station. If you are amenable we would like to arrange this prior to going to the University - but we will wait your instructions on this matter.

We would like you to join some members of the Chemistry Department for lunch on Monday. Following lunch the afternoon has been reserved for you and Mrs. Bader to visit with Dr. and Mrs. Norman Jones and have an early dinner with them. We have confirmed this time with the Jones.

Monday evening we have scheduled a lecture at the Art Gallery at 8:00 pm. Prior to your lecture the Art Gallery will be open for one hour to allow us to visit their exhibits.

On Tuesday morning we hope you will again visit the Chemistry Department to meet with additional faculty members prior to your 11:00 am lecture. As on Monday morning transportation can be arranged for you at your convenience.

Dr. Rod Fraser, the new University of Alberta President and a former Queen's University faculty person, would like you to join him for lunch and some discussions on Tuesday. Following lunch there is some free time in the late afternoon. Some chemists who were involved in the 75th CSC Conference would like to take you for an early dinner on

Tuesday night prior to your lecture at King's College University. This would be at La Ronde Restaurant which is the revolving restaurant on top of the Crowne Plaza Hotel.

The above schedule is open to any suggestions you have. We know Mrs. Bader will want to accompany you during your social visits to the Tertzakians and the Jones. Is there any special arrangements she would like for the remaining time or would she prefer to accompany you throughout the visit? She would be most welcome at all our events.

We agreed we would reimburse you for your expenses to travel to Edmonton. Please let us know the cost of the air lines tickets and we will arrange for a cheque.

We are looking forward to your visit.

Sincerely

Jean Cooley

Jean Cooley

cc. N. Jones
B. Kratochvil
G. Tertzakian

Canadian Society for Chemistry
Société Canadienne de Chimie

May 15, 1995

Ms. Karine Auclair
Apt. 203, 107 28-80 Avenue
Edmonton, AB T6E 1V8

Dear Ms. Auclair:

I am pleased to provide you with information regarding the presentation of the Alfred Bader Scholarships' certificates which will take place at the 78th Canadian Society for Chemistry Conference and Exhibition in Guelph on Sunday, May 28 at 4:00 p.m. in Room 105 of the MacNaughton Building just before the Alfred Bader Award Lecture. Dr. Alfred Bader will be making the presentation and photos will be taken.

Please do not hesitate to contact me should you require additional information. At the conference itself, I can be reached at the conference information desk in the main registration area of the University Centre or you may leave a message at the CIC Booth.

I look forward to meeting you.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Conferences,
Awards and Divisions

c.c. Dr. Alfred Bader ✓
Dr. Richard Oakley, Chair, 78th CSC Conference
Kris Hladun, Photographer

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

C S C Guelph

78th ième *Canadian Society for Chemistry Conference and Exhibition*
Congrès et Exposition de la Société canadienne de chimie

University of Guelph, Guelph, Ontario, 28th May - 1st June 1995

17 January 1995

Dr. Alfred Bader
Astor Hotel, Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin
53202, U.S.A.

Dear Dr. Bader:

The CSC Conference in Guelph is now less than five months away. I am writing now to let you know how our plans are developing. Firstly, and after consultation with Mike Chong and Vic Sniekus, we would like to request seminar number 4 on your list, i.e., *The Adventures of a Chemist Collector*. As the attached article (which will be published in the March issue of *Canadian Chemical News*) indicates, we have scheduled your lecture for 7:00 p.m. on Sunday May 28th. The overall schedule for Sunday is outlined below:

2:00 - 5:00 p.m.	CSC/CIC Award Lectures (including the Bader Award Lecture, to be given by Don Arnold)
5:00 - 6:30 p.m.	Informal BBQ supper
6:45 p.m.	Opening Ceremonies in War Memorial Hall (Univ. of Guelph Campus)
6:55 p.m.	Introduction of Dr. Alfred Bader by Vic Sniekus (War Mem. Hall)
7:00 - 8:00 p.m.	*The Adventures of a Chemist Collector* (Alfred Bader)
8:00 p.m.	Opening Mixer in Creelman Hall (Univ. of Guelph Campus)

On Tuesday, when we have the Awards luncheon, we would be delighted to have you join us in order to make the presentation to Don Arnold. Of course you are welcome at all the other functions associated with the Conference. To this end I enclose a registration form, which I have partially completed. If you would fill in the blanks and return it to me, then I will forward it to the Registration Office.

We have had some success with our fundraising efforts, and both the Royal Bank and Air Canada have generously agreed to assist us with your visit. In the case of Air Canada, the sponsorship involves the provision of airline tickets (for you and your wife) on Air Canada (from Milwaukee or Chicago to Toronto). To take advantage of these opportunities I would ask you to let me know when you and your wife would like to come up to Guelph (preferably sometime on Saturday 27th), and when you would like to return to Milwaukee. I can then make the necessary flight arrangements with Air Canada. I will also make a booking on the Red Car limousine service from the airport to the Holiday Inn (Guelph), where we have reserved an

Executive Suite for you both. As it happens, many invited speakers of the organic division will also be staying at the Holiday Inn, so you will be in the company of familiar faces.

Please let me know if the above arrangements are suitable; feel free to call me at 519-824-4120 (x3793). Also, if you happen to have a picture of yourself (color or B&W) to include in our Conference Program, that would much appreciated. The latter we would need (for publication deadlines) by early February. I look forward to hearing from you.

Yours sincerely,

Richard Oakley

Richard Oakley
Conference Chair
Department of Chemistry and Biochemistry
University of Guelph, Guelph
Ontario, N1G 2W1 Canada

Phone: 519-824-4120 x3793
FAX: 519-766-1499
e-mail: oakley@chembio.uoguelph.ca

ref: d:\c95\csc95.099

cc/ Nick Westwood, Program Chair
John Goddard, Conference Treasurer
Diane Goltz, CSC Ottawa
Vic Sniekus and Mike Chong, Univ. of Waterloo

Canadian Society for Chemistry
Société Canadienne de Chimie

Canadian file

May 15, 1995

Ms. Denise Baron
35-649 Main Street North
Airdrie, AB T4B 1Z9

Dear Ms. Baron:

I am pleased to provide you with information regarding the presentation of the Alfred Bader Scholarships' certificates which will take place at the 78th Canadian Society for Chemistry Conference and Exhibition in Guelph on Sunday, May 28 at 4:00 p.m. in Room 105 of the MacNaughton Building just before the Alfred Bader Award Lecture. Dr. Alfred Bader will be making the presentation and photos will be taken.

Please do not hesitate to contact me should you require additional information. At the conference itself, I can be reached at the conference information desk in the main registration area of the University Centre or you may leave a message at the CIC Booth.

I look forward to meeting you.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Conferences,
Awards and Divisions

c.c. Dr. Alfred Bader ✓
Dr. Richard Oakley, Chair, 78th CSC Conference
Kris Hladun, Photographer

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

C S C Guelph

78th ième *Canadian Society for Chemistry Conference and Exhibition*
Congrès et Exposition de la Société canadienne de chimie

University of Guelph, Guelph, Ontario, 28th May - 1st June 1995

5 April 1995

Dr. Alfred Bader
Suite 622, Astor Hotel
924 East Juneau Ave.
Milwaukee, Wisconsin 53202 U.S.A.

Dear Dr. Bader:

Vic Snieckus has agreed to be provide a short (5 min) introduction to your presentation on Sunday, May 28th. He has asked if you could provide a short CV (he is well known for doing a thorough job with these opportunities!). Could you send something along to me (or to him).

With thanks and best wishes.

Rich Oakley

Richard Oakley
Conference Chair
Department of Chemistry and Biochemistry
University of Guelph, Guelph
Ontario, N1G 2W1 Canada

Phone: 519-824-4120 x3793
FAX: 519-766-1499
e-mail: oakley@chembio.uoguelph.ca

ref: d:\c95\csc95.120

cc/ Vic Snieckus, University of Waterloo

78ième Canadian Society for Chemistry Conference and Exhibition
Congrès et Exposition de la société canadienne de chimie
University of Guelph, Guelph, Ontario, 28th May - 1st June 1994

[illegible]

[illegible] Conference in Guelph is now less than five months away. I am [illegible] are developing. Firstly, and after consultation with Mike [illegible] would like to [illegible] seminar number 4 on your [illegible] year. As the attached article (which will be published in the March [illegible] Chemical News) indicates, we have scheduled your lecture for 7:00 p.m. on [illegible] [illegible] for convenience [illegible]

[illegible] CSC/CIC Award Lectures (including the Tanner [illegible] Lecture [illegible]

[illegible] Centennial Distinguished Alfred Knopf Memorial [illegible]

[illegible] Alfred Knopf by [illegible]

[illegible] 7:00 - 8:00 p.m. *The Alfredian [illegible]*

[illegible] Centennial Mixer in Creelman Hall [illegible]

Tuesday [illegible] we have the awards luncheon. We would be delighted [illegible] you would be willing to make the presentation to Don Arnold. Of course you are welcome at all the other events associated with the Conference. To this end I have enclosed a form which I would be grateful if you would fill in the blanks and return to me. [illegible]

We have been [illegible] with the [illegible] and both the [illegible] airlines have [illegible] to assist us with your visit. In the case of Air Canada, the [illegible] provision of airline tickets [illegible] Air Canada from Milwaukee or Chicago to Toronto. To take advantage of these opportunities I would ask that you let me know when you and your wife would like to come up to Guelph (preferably sometime on Saturday 27th), and when you would like to return to Milwaukee. [illegible] Air Canada. I will also make a booking on the Red [illegible] [illegible] at the Holiday Inn [illegible]

1995 AWARDS/PRIX

Presented at/Présentés au

78th Canadian Society for Chemistry Conference and Exhibition
78e Congrès et exposition de la Société canadienne de chimie

Guelph, Ontario - May 28 mai - June 1 juin, 1995

This year marks the 50th Anniversary of the formation of The Chemical Institute of Canada. Since the creation of The Chemical Institute of Canada Medal by INCO Limited in 1951, awards, medals and award lectures have been an important part of the activities of the Institute and its Constituent Societies. Through the generosity of a growing number of sponsors, the program has expanded to include awards for research, for industrial applications and for education in chemistry, chemical engineering and chemical technology. The Institute thanks the sponsors and congratulates them for recognizing the need to promote excellence in the chemical sciences through the awards. We look forward to their continuing support.

Table of Contents/Table des matières

The Chemical Institute of Canada/ L'Institut de chimie du Canada

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

The Canadian Society for Chemistry/ La Société canadienne de chimie

Student Awards/Prix étudiants The Canadian Society for Chemistry/ La Société canadienne de chimie

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

The Chemical Institute of Canada/
L'Institut de chimie du Canada

The CIC Medal/La Médaille de l'ICC

Sponsored by/Parrainé par
INCO Limited

The Chemical Institute of Canada Medal is presented as a mark of distinction to a person who has made an outstanding contribution to the science of chemistry or chemical engineering in Canada. The award consists of a palladium medal.

La médaille de l'Institut de chimie du Canada est remise en guise de témoignage de distinction à une personne qui a apporté une contribution exceptionnelle à la chimie ou au génie chimique au Canada. Le prix comprend une médaille en palladium.

John Bryan Jones, FCIC
University of Toronto

Studies on Enzymes. A Personal Perspective
14:00 Sunday, May 28 (THOR 100)

Jones has been a pioneer in the application of enzymes as practical catalysts for organic synthesis. The results obtained by his research group have demonstrated the unique benefits that the use of enzymes can bring to the production of chiral synthons of broad applicability, including key intermediates for antibiotics, insecticides, and pheromones. In contrast to the almost complete absence of synthetic exploitations of enzymes when he began his work, the field is now a large, well established, and dynamic one, with multiple applications in academic and industrial research and processes. More recently, he has begun to address the next frontier of the field – to identify the factors determining and controlling the catalytic activities and specificities of the enzymes of asymmetric synthetic value, using molecular graphics, molecular dynamics, and site-specific mutagenesis approaches. The same strategy is being applied in designing and synthesizing compounds that can act as drugs by inhibiting medicinally important enzymes.

Jones was born in North Wales and obtained his PhD in alkaloid chemistry at the University of Wales, Cardiff. He then did postdoctoral work, and a DPhil, at Oxford on polyacetylene synthesis. After further postdoctoral studies at MIT, and then at Caltech – where he first started on enzymes - he returned to Oxford as an ICI Fellow. In 1963 he joined the University of Toronto, where he has been Professor of Chemistry since 1974, and in 1994 was named University Professor, the University of Toronto's highest academic rank. He is a Fellow of the Royal Society of Canada and of The Chemical Institute of Canada. Other honours include the Perlman Award of the American Chemical Society (Microbial Chemistry Division), the Labatt Award and the Alfred Bader Award of the Canadian Society for Chemistry, the Chairman Medal of the Royal Society of Chemistry, and a Killam Research Fellowship.

CIC Medal Recipients

1951	T. Thorvaldson		
1952	O. Maass	1974	H.J. Bernstein
1953	E.W.R. Steacie	1975	B.E. Conway
1954	R.K. Stratford	1976	J.C. Polanyi
1955	A.R. Gordon	1977	R.J. Gillespie
1956	L. Marion	1978	R.J. Cvetanovic
1957	H.G. Thode	1979	B. Belleau
1958	C.A. Winkler	1980	W.H. Rapson
1959	R.H. Manske	1981	K.U. Ingold
1960	C.B. Purves	1982	P. de Mayo
1961	W.G. Schneider	1983	C. Sandorfy
1962	E. Baer	1984	P. Yates
1963	K. Wiesner	1985	A.G. Brook
1964	R.U. Lemieux	1986	P. Kerbarle
1965	P.A. Giguère	1987	J.C.D. Brand
1966	W.H. Gauvin	1988	S. Hanessian
1967	H.E. Gunning	1989	J.L. Holmes
1968	J.A. Morrison	1990	A. Vijh
1969	C.A. McDowell	1991	K. Yates
1970	D.J. LeRoy	1992	D.A. Ramsay
1971	K.J. Laidler	1993	P. Brumer
1972	G. Herzberg	1994	W.A.G. Graham
1973	S.G. Mason		

The Montreal Medal/La Médaille de Montréal

Sponsored by/Parrainé par
The Montreal CIC Section/la Section ICC de Montréal

The Montreal Medal is presented as a mark of distinction for significant leadership in or for an outstanding contribution to the profession of chemistry or chemical engineering in Canada.

La médaille de Montréal est remise en guise de témoignage de distinction pour des qualités considérables de leader et une contribution exceptionnelle à la profession de la chimie ou de génie chimique au Canada.

Leslie W. Shemilt, FCIC
McMaster University

On Polarity and Paradox - Looking at the Chemical Professions
13:00 Wednesday, May 31
(THOR 100)

Shemilt received a BASc (Hon) in Chemical Engineering and a PhD in Physical Chemistry at the University of Toronto, and an MSc in Chemistry at the University of Manitoba. As well as several years in industry with Defence Industries Ltd., he has held professorships at the University of British Columbia; at the University of New Brunswick, where he founded the Department of Chemical Engineering; and at McMaster University where he served for ten years as Dean of Engineering, becoming a Professor Emeritus in 1987. He has also been a visiting professor at universities in Switzerland, England, India and Australia, and was external examiner for chemical engineering and applied chemistry programs at the University of West Indies. In 1987, he held a prestigious Special Visiting Professor appointment at Yokohama National University in Japan. Shemilt is married and he and his wife, Elizabeth MacKenzie Macdonald, have one son in medical practice in North Bay, one daughter residing near Kingston, and four grandchildren.

In the 1950s, Shemilt led several projects for the B.C. Research Council, and provided the preliminary engineering design for the Vancouver Public Aquarium. In 1957, he was technical program chairman for the CIC National Meeting in Vancouver. In 1962, he became the founding chairman of the New Brunswick Research and Productivity Council, holding that position for seven years. He also served as Science Advisor to the Province of New Brunswick and, for three years, on the National Research Council of Canada including leadership in numerous national committees and advisory groups. He has been active in scientific and professional societies, being chairman of the Canadian Region of the National Association of Corrosion Engineers in 1955-56, holding the Presidency of The Chemical Institute of Canada in 1970-71, the Vice-Presidency of the Academy of Science of the Royal Society in 1991-92, and in 1987 was a founding Fellow of the Canadian Academy of Engineering for which he served as a Director until 1992. In 1989, he served as General Chairman for the 39th Canadian Chemical Engineering Conference. In 1974, he was a participant in a World Council of Churches' hearing on nuclear energy. Since 1979, he has been Chairman of the Technical Advisory Committee to Atomic Energy of Canada Limited on the Nuclear Fuel Waste Management Program, has twice led reviews of the Swedish program on nuclear waste disposal, and is currently involved in major international consultative efforts relating to the same field.

Shemilt's fields of research have been primarily in applied thermodynamics, mass transfer and electrochemical and corrosion engineering in which he has supervised 50 masters' and doctoral theses and published over 70 papers and a number of contributed chapters to reference works. He was editor for two volumes on Chemistry and World Food Supplies published for the International Union of Pure and Applied Chemistry and a volume on the history of Chemical Engineering in Canada to mark the 25th anniversary of the Canadian Society for Chemical Engineering. For 18 years he was editor of The Canadian Journal of Chemical Engineering and is now Honorary Editor. As well as having been consultant to several Canadian industries, Shemilt has carried out studies for the Maritime Provinces Higher Education Commission and the International Development Research Centre.

Shemilt is an Honorary Life Member of the UBC Faculty Association and of the Vancouver Public Aquarium Association. He has received the Fellowships of The Chemical Institute of Canada, the American Society of Chemical Engineers, the Society for Religion in Higher Education, the Engineering Institute of Canada, the Royal Society of Canada and the

Canadian Academy of Engineering. Other awards include the Honorary Fellowship of The Chemical Institute of Canada in 1989, the T.P. Hoar Prize in Corrosion Science in 1980, the R.S. Jane Award of the Canadian Society for Chemical Engineering for exceptional achievement in chemical engineering, the APEO Engineering Medal, the Centennial Medal, the Queen's Silver Jubilee Medal, and the 125th Confederation Commonwealth Medal. In 1989, he was selected as Hamilton's Engineer-of-the-Year and in 1991, he was appointed an Officer of the Order of Canada. In 1992, he received an honorary doctorate degree from St. Staszic University in Krakow, Poland. In 1993, Shemilt was inducted into the Engineering Alumni Hall of Distinction of the University of Toronto, and was the recipient of the Julian C. Smith Medal of the Engineering Institute of Canada. In 1994, he received an Honorary DSc from McMaster University.

Montreal Medal Recipients

1956	R.R. McLaughlin
1957	L. Lortie
1958	T.W. Smith
1959	T. Thorvaldson
1960	J.W. Bain
1961	H.B. Marshall
1962	J.R. Donald
1963	C.J. Mackenzie
1964	E.A.G. Colls
1965	L.H. Cragg
1966	W.N. Hall
1967	J.A. Davies
1968	E. Lozinski
1969	L. Marion
1970	L.J. Rubin
1971	I.E. Puddington
1972	H.S. Sutherland
1973	W.G. Schneider
1974	R. Gaudry
1975	B.B. Migicovsky
1976	A.N. Bourns
1977	J.W.T. Spinks
1978	J.W. Hodgins
1979	L. Yaffe
1980	L. Piché
1981	W.O. Twaits
1982	C.A. McDowell
1983	W.H. Gauvin
1984	H.I. Bolker
1985	J.A. Morrison
1986	G.G.S. Dutton
1987	D.G. Tuck
1988	J.-C. Richer
1989	C.J.L. Lock
1990	W.A.E. McBryde
1991	R. Marchessault
1992	G. Kenney-Wallace
1993	H. Thode
1994	F.W. Bachelor

Polysar Rubber Corporation Awards for High School Chemistry Teachers/Prix de Polysar Rubber Corporation à des enseignants en chimie du niveau secondaire

The Polysar Rubber Corporation Awards recognize excellence in the teaching of chemistry at the secondary school level.

Ces prix soulignent l'excellent travail d'enseignants en chimie au niveau secondaire.

Lois Bernice Green
Aden Bowman Collegiate Institute
Saskatoon, SK

Hess'n'Heat'n'Stuff - How to Hook Students
11:05 Monday, May 29 (MCKN 226)

Green was born in Prince Albert, Saskatchewan in 1942. She graduated from the University of Saskatchewan with a BA (Hon) Chemistry in 1964 and earned a PhD in Chemistry from the University of Alberta in 1969. Her thesis was on the Mechanisms of Organic Reactions. Her husband, Robert Green, also earned a PhD in Chemistry from the University of Alberta. Together they began their family of three children, while they lived first in Britain 1969-70, then in Malaysia 1970-73. On their return to Canada, Lois enrolled in the College of Education and received her Degree from University of Regina in 1975.

After teaching briefly at Luther College in Regina, the family moved to Saskatoon where she taught at Evan Hardy Collegiate from 1981 until 1983. A break from teaching at Bowman occurred during the 1990-1991 school year when she returned to England on a teaching exchange program.

Lois states that her goal in teaching has always been to make science real, relevant and fun – to teach students the "chemistry of peanut butter" – to make the subjects she teaches interesting with practical application. She has been active in curriculum development and in promoting school and provincial science fairs, and many of her students have gone on to national competition.

"I just have kids, I listen to them, I love them and then they teach me how to teach them".

Polysar Rubber Corporation Awards for High School Chemistry Teachers/Prix de Polysar Rubber Corporation à des enseignants en chimie du niveau secondaire

The Polysar Rubber Corporation Awards recognize excellence in the teaching of chemistry at the secondary school level.

Ces prix soulignent l'excellent travail d'enseignants en chimie au niveau secondaire.

Wayne Wobick
Western Canada High School
Calgary, AB

Wobick was born and raised in Lethbridge, Alberta where he graduated from the Lethbridge Collegiate Institute. After receiving his Bachelor of Science degree in chemistry from the University of Alberta (Edmonton, 1963), he joined a major oil company as a refinery chemist, later being promoted to Chief Chemist, at a refinery in Kamloops, BC. Upon leaving that position, he continued to work in companies in the oil and mining fields in Calgary until 1970. At that time, Wobick returned to the University of Calgary to obtain his Professional Teaching Certificate.

Wobick started teaching sciences (mainly chemistry) for the Calgary Board of Education in 1971. In 1982, he transferred to the school where he is presently teaching, Western Canada Senior High School. Western has special programs including a strong bilingual program combined with the International Baccalaureate (IB) program. He has been fortunate to work with honours and IB chemistry students for the past twelve years. It is through this program that he had worked with many of the brightest and most motivated students in that system, students who were eager to challenge external exams such as CIC's National High School Chemistry Exam or try for a spot on Canada's four member team at the International Chemistry Olympiad. Western has been fortunate to have a member on that team for the last four years.

Wobick wishes to express his appreciation of the contributions of many

other teachers in his system who have provided these students with the basics and a love of learning which has made his job easier. He would also like to recognize the support of the Calgary section of the CIC, as well as the professors (and former professors) at the University of Calgary who have, without reservation, helped the students and him.

Recipients

1980	G.E. Huff, Sir Wilfrid Laurier Collegiate Institute, Scarborough, ON
	O.C. Lantz, Harry Ainlay Composite High School, Edmonton, AB
	G. Ogilvie, Beaconsfield High School, Beaconsfield, PQ
	S. Richardson, Riverdale High School, Pierrefonds, PQ
	A. Spenceley, Colonel Gray Senior High School, Charlottetown, PEI
1981	F.J. Borowski, Grant Park High School, Winnipeg, MB
	H. Bugden, Herman Collegiate, Corner Brook, NF
	P.J. Foreman, Fredericton High School, Fredericton, NB
	D.B. Evans, Charlottenburgh Lancaster District High School, Williamstown, ON
	A. Slater, Stratford Central Secondary School, Stratford, ON
1982	M. Miyata, Lakeport Secondary School, St. Catherines, ON
	L. Lisk, Nickel District Secondary School, Sudbury, ON
	M. Syska, St. Francis Xavier High School, Edmonton, AB
	R. Penny, Tobique Valley High School, Plaster Rock, NB
1983	J.S. Allen, Riverdale High School, Pierrefonds, PQ
	D. Johnston, North and South Esk High School, Red Bank, NB
1984	W.S. Bykowy, Walter Murray Collegiate Institute, Saskatoon, SK
	D. LeClair, Colonel Gray Senior High School, Charlottetown, PEI
1985	M. Dzwiniel, McNally Composite High School, Edmonton, AB
	R. Loutfy, Toronto French School, Toronto, ON
	P. Parker, Fredericton High School, Fredericton, NB
	H.M. Rodgerson, Charlottetown Rural High School, Mount Pearl, NF
1986	M. MacKenzie, Nepean High School, Ottawa, ON
	M. Kozman, Lindsay Place High School, Mount Pearl, NF
1987	J. Burns, Prince Andrew High School, Dartmouth, NS
	R. Harris, Labrador City Collegiate, Labrador City, NF
	Z.M. Khoja, Brookfield High School, Ottawa, ON
	G. Loveridge, Silver Heights Collegiate, Winnipeg, MB
1988	L.S. Nikkel, Grenlawn Collegiate, Winnipeg, MB
	C.R. Tompkins, Queen Elizabeth Composite High School, Edmonton, AB
1989	L.O. Mossing, Martin Collegiate, Regina, SK
	M. Pierre-Pierre, Ecole Secondaire Le Virage, Laval, PQ
	R.N. Booth, Elmira District Secondary School, Elmira, ON
1990	F.A. Deuel, Crofton House School, Vancouver, BC
	M. Barker, Regina High School, Corner Brook, NF
1991	P.E. Barron, Carleton Board of Education, Ottawa, ON
	S.C. Thomas, William Aberhart Senior High School, Calgary, AB
1992	D. Fisher, Richmond School District, Richmond, BC
	R. Nalepa, Halifax West High School, Halifax, NS
1993	M. Falk, Harry Ainlay Composite High School, Edmonton, AB
1994	R. (Jo) Young, St. Patrick's High School, Sarnia, ON

Union Carbide Award for Chemical Education/ Prix Union Carbide pour l'enseignement de la chimie

Sponsored by/Parrainé par
Union Carbide Canada Limited

The Union Carbide Award recognizes a person who has made outstanding contributions in Canada in education at any level in the field of chemistry or chemical engineering.

Le Prix Union Carbide est attribué pour une distinction dans le domaine de l'enseignement de la chimie ou du génie chimique, et ce à n'importe quel palier.

Marie MacBeath, FCIC
formerly at the University of New Brunswick
Insights Shared by a Woman Chemist
10:45 Monday, May 29
(MCKN 226)

Macbeath, a native of New Brunswick, obtained her BSc from Mt. Allison University in 1946 and, after working as an industrial research chemist in Montreal and England, broke her career path when she married another professional in 1949. Her decision to follow her husband and be chief caregiver to her children in their formative years meant it was 1958 before she began teaching at the High School and Collegiate Institute levels. She soon realized that communicating her enthusiasm for chemistry was her great love. Further study at the Universities of Toronto and New Brunswick led first to a BEd in 1965 and finally a PhD in Photochemistry in 1971, both granted by University of New Brunswick. She immediately joined the teaching faculty in UNB's Chemistry Department, taking charge of all Physical Chemistry laboratory courses. Besides pursuing her interest in the use of physical methods in the study of biochemical systems, MacBeath has played a very active role in government, university, community and professional associations including: Chair of the Atlantic Section of the CIC, and the Chemical Education Division and Director of Education and Student Affairs.

MacBeath's drive as a science communicator by no means ended when she left her labs and students. Since retiring in 1990, she has produced 26 segments on science for two series of children's TV programs aired

widely in Canada. Last year she won an award for producing a series of 13 TV programs entitled "Science from the Hill" which featured members of the UNB Science Faculty speaking to young guests about their work. Recently, she has been involved in the birth of the Science East Association whose aim is to start a full-fledged science centre in the Atlantic area, and, as Exhibits Chair, has produced all the hands-on displays for their Phase I Exhibition.

Union Carbide Award Recipients

1961	R.P. Graham	1978	R.J. Thibert
1962	R.B. Sandin	1979	R.H. Tomlinson
1963	G.B. Frost	1980	H.B. Dunford
1964	C. Sivertz	1981	H.J. Anderson
1965	J.B. Phillips	1982	D.N. Harpp
1966	L.H. Cragg	1983	R.Y. Moir
1967	W.A.E. McBryde	1984	F.W. Birss
1968	A.B. Van Cleave	1985	J.A. Pincock
1969	C. Ouellet	1986	G. Lange
1970	C.A. Winkler	1987	M.C.L. Gerry
1971	A.N. Campbell	1988	L. Yaffe
1972	R.L. McIntosh	1989	Z. Valenta
1973	J.M. Holmes	1990	D.E. Irish
1974	K.J. Laidler	1991	D.A. Humphreys
1975	W.E. Harris	1992	N. Bunce
1976	R.J. Gillespie	1993	E.A. Dixon
1977	B.T. Newbold	1994	J. Takats

Honorary Fellows/Membres titulaires honoraires

Honorary Fellowships are awarded by The Chemical Institute of Canada in recognition of special service. There are no more than 25 living Honorary Fellows at any one time. **R.V.V. Nicholls**, FCIC, was made an Honorary Fellow by the Board of the Institute in May 1994 and **Harry E. Gunning**, FCIC, in January 1995.

Les individus sont nommés membres titulaires honoraires par l'Institut de chimie du Canada en remerciement de leurs services. Il ne doit en aucun temps y avoir plus de vingt-cinq (25) members titulaires honoraires vivants. **R.V.V. Nicholls**, FCIC, a été élu membre titulaire honoraire par le Conseil de l'Institut en mai 1994 et **Harry E. Gunning**, FCIC, en janvier 1995.

R.V.V. Nicholls, FCIC
Merrickville, ON
Special Anniversary Lecture:
The Institute - From Birth to Silver Jubilee
10:30 Wednesday, May 31
(MCKN 227)

Nicholls' distinguished and enthusiastic service to The Chemical Institute of Canada began over 50 years ago when he was a member of the Joint Committee on Chemical Reorganization (1943) and of the Central Executive Committee (1944). A year later, he was among the first to be awarded the FCIC. He became a member of the first Board of Directors of the Institute and served as the first Chair of the Montréal Section (1945). Each first was not only a significant contribution to the birth of the CIC, but also a major contribution to bringing a sense of unity and purpose to the profession of chemistry and of education in chemistry.

As a Professor of Chemistry at McGill University (1936-1973), he was one of the most effective and popular lecturers in organic chemistry at all levels. He quietly influenced a number of students towards a career in chemistry or chemical engineering. In unassuming ways, he has helped struggling students at key junctures in their learning careers by listening to their concerns, giving them the benefit of his counsel and by finding sources of financial support to enable them to continue their studies. In addition to being an outstanding teacher, Nicholls was also a very effective administrator, holding key positions in the Department of Chemistry, the Faculty of Arts and Science and of Graduate Studies at McGill.

He has continued to serve the CIC with great distinction. He coauthored A History of Chemistry in Canada with C.J.S. Warrington and is now coordinating the preparation of a commemorative book to mark the Institute's 50th Anniversary.

In addition to chemistry, Nicholls has had a life-long interest in railroads. In 1932, at the age of 19, he was one of a dozen co-founders of the Canadian Railroad Historical Association and, in 1961, was instrumental in establishing the Canadian Railway Museum.

R.V.V. Nicholls has been much honoured. His awards include the Confederation Medal in 1967, the Jubilee Medal in 1977 and most notably the Order of Canada in 1983.

Harry E. Gunning, FCIC
University of Alberta

Gunning has had an outstanding career as a photochemist and educator. Over the last 35 years he has not only been an outstanding scholar and research scientist, he has made important contributions to the growth of science and industry in Canada.

His 175 publications in the world's leading journals have brought him international recognition. A major contribution by Gunning was his detailed studies on mercury photosensitization. In addition, he has demonstrated a variety of important photochemically induced processes. Through his consulting activities with industry, he was able to develop an overview of the problems that industrial research can experience. As early as the 1960s, he recognized the need for closer collaboration between university and industrial research and became an articulate and enthusiastic proponent of joint technological ventures.

During his tenure as Chair of the Department of Chemistry at the University of Alberta, he transformed that department into an internationally recognized world class institution of higher learning and scientific research. While President of the University of Alberta, Gunning worked tirelessly to increase public awareness of the role of universities in

education and research while at the same time improving the administrative infrastructure and applied research. As a result of his active encouragement, a number of scientifically-based companies sprung up in Alberta. He became a tireless proponent for the establishment of an industrial research park close to the University of Alberta. The Edmonton Research Park is a tribute to his foresight and relentless efforts over the years.

Gunning was President of The Chemical Institute of Canada in 1973-74. He served on the Board of the National Research Council of Canada as Chair of the Edmonton Research and Development Park Authority and Chair of the Advisory Committee on Chemical Research of the Defence Research Board. He is currently a consultant to the Alberta Department of Economic Development, Chair of the Alberta Department of Transportation Water Resources Committee and a member of the Board of the Alberta Oil Sands Technology and Research Authority. His achievements are reflected by the many honours bestowed on him. In addition to The Chemical Institute of Canada Medal (1967), his awards include Honorary Doctorates from the University of Guelph (1969), Queen's University (1974) and the University of Victoria (1978), Officer of the Order of Canada, the Province of Alberta Achievement Award (1979) and the Alberta Science and Technology Award (1993).

CIC Honorary Fellows

H.G. Thode
R.U. Lemieux
H.S. Sutherland
C.W. Bowman
G. Herzberg
J.W.T. Spinks
L.W. Shemilt
R.J. Gillespie
W.H. Rapson
W.A.E. McBryde
J.C. Polanyi
M. Smith

CIC Fellows/Membres titulaires

The Fellowship of the CIC was created as a senior class of membership to recognize outstanding merit by those who have made, or who are clearly in the course of making a sustained and major contribution to the science or to the profession of chemistry, or of chemical engineering.

Pour souligner le mérite exceptionnel des particuliers qui contribuent ou ont contribué d'une manière originale et durable à l'essor des sciences chimiques ou de la profession de chimiste ou d'ingénieur chimiste, l'ICC a établi une catégorie supérieure de membre, soit celle de membre titulaire.

Fellowship certificates will be presented to the newly elected Fellows at The Chemical Institute of Canada Annual General Meeting on Monday, May 29 at this conference and at the Canadian Society for Chemical Engineering Annual General Meeting on Tuesday, October 17 at the 45th Canadian Chemical Engineering Conference in Québec City, Québec.

Barry J. Blackburn
Ian A. Cody
Louis T.J. Delbaere
Zdravko Duvnjak
Terence E. Gough
Janis Gulens
M. Coreen Hamilton
Lorne William Hollingshead
S. Huzinaga
William C.H. Kupferschmidt
David E. Laycock
David Thomas Lynch
Robert H. Morris
Michael G. Paice
Russell Rodrigo
Krishan L. Sadana
Ronald Sutherland
Thomas T. Tidwell
Peter C. Wan
Mary Anne White

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

Norman and Marion Bright Memorial Award/ Prix commémoratif Norman et Marion Bright

Sponsored by/Parrainé par
The Canadian Society for Chemical Technology

The Norman and Marion Bright Memorial Award is presented to an individual who has made an outstanding contribution in Canada to the furtherance of chemical technology.

Le Prix commémoratif Norman et Marion Bright est pour une contribution exceptionnelle à l'avancement de la technologie chimique.

It was twenty years ago, in November 1974, that Dr. Norman Bright and his wife Marion were murdered in their retirement home on the island of Dominica. The Chemical Institute of Canada decided to set up a trust fund in their memory. The Brights were well known in Canadian scientific circles. British-born Dr. Bright was a former Chemical Institute councillor and treasurer and served as chair of CIC industrial fund trustees from 1970 to 1973. Marion, who came from Cornwall, was with the Canadian Standards Association for many years before joining CIC as manager of membership services.

Michael Comba
Environment Canada, Burlington, ON

Comba is a Project Technologist with Environment Canada, National Water Research Institute, where he conducted field and laboratory studies in the Laurentian Great Lakes Basin. The measurement and identification of persistent anthropogenic residues resulted in significant information on spatial and temporal contaminant trends in these major Canadian rivers and lakes. He has contributed valuable input as a technical advisor to remedial action committees, analytical audits, technical specification hearings, and as an author and reviewer of technical and scientific publications on national and international levels.

Bright Memorial Award Recipients

1980	R.H. Lake
1981	T.B. Kimmel
1982	W.L. Thayer
1983	R. Faggiani
1984	G. Sayer
1985	W. Thurston
1986	J. Vandenhoff
1987	J.R. Mackey
1988	J.A. Thompson
1989	M.G. Torchia
1990	T.H. West
1991	A.P. Mykytiuk
1992	S. Elchuk
1993	R. Cullen
1994	R. Scott

Novacor Chemicals Ltd. Award for Chemistry Teaching/ Prix Novacor Chemicals Ltd. pour l'enseignement de la chimie

Sponsored by/Parrainé par Novacor Chemicals Ltd.

The Novacor Chemicals Ltd. Award for Chemistry Teaching is presented to an outstanding teacher in chemistry, biochemistry, chemical engineering or chemical technology at community and technical colleges.

Parrainé par Novacor Chemicals Ltd., ce prix est attribué pour l'enseignement exceptionnel de la chimie, de la biochimie, du génie chimique ou de la technologie chimique aux collèges communautaires ou techniques.

Lorne W. Hollingshead, FCIC
formerly at the Southern Alberta Institute of Technology, Calgary, AB

Hollingshead was born in Calgary, Alberta and received a BSc from the University of Alberta in 1961. He joined the faculty of the Southern Alberta Institute of Technology in Calgary as an instructor in the Chemical Technology program, teaching organic, inorganic, analytical and petroleum chemistry, as well as other specialized subjects in the Chemical Technology curriculum. He believes that education should be a humane, pleasant and stimulating experience, and keenly encourages his students' success, both in school and in their careers. He has authored laboratory procedures, manuals and lecture notes in all subjects taught, with the objective of conveying information, appropriate to the level of the student audience, in the clearest and simplest ways possible. For the past seven years, he has served as treasurer on the Calgary CIC Section executive. In 1989, he received a SAIT Academic Recognition Award, and, in 1994, the Ralph T. Scurfield Award for Academic Excellence. In June 1994, he retired from SAIT as part of a voluntary staff reduction program.

Novacor Chemicals Ltd. Award Recipients

1977	R.A. DiMenna; S. Jalil
1978	A.H. Allman; B.J. Hutchinson
1979	W.A. Mohun; M.A. Ryant
1980	D.L. Thorn; G.W. Rayner-Canham
1981	R. Palepu; G. Roy
1982	J. Schwarcz; A. Fenster
1983	I. Singh; M.L. Haggett
1984	P. Slade
1985	I. Wharf
1986	D.J. Kroeger; H. Wilson
1987	E.L. Mead; D. Campagna
1988	D. Smith; P. LeCouteur
1989	N. Hollbach; A. Fournier
1990	R.R. Perkins
1991	C. Rothwell
1992	F. Dobson
1993	M. Zander
1994	James Barr

The Canadian Society for Chemistry
La Société canadienne de chimie

The Alcan Award/Prix Alcan
Sponsored by/Parrainé par
Alcan International Limited

The Alcan Award is presented to a scientist residing in Canada who has made a distinguished contribution in the fields of inorganic chemistry or electrochemistry.

Le Prix Alcan est attribué pour une distinction dans les domaines de la chimie inorganique ou de l'électrochimie.

Robert H. Morris, FCIC
University of Toronto

Intermediates in the Homolytic and Heterolytic Splitting of Dihydrogen by Transition Metal Complexes
16:00 Sunday, May 28 (THOR 100)

Morris obtained his BSc degree (Co-op) at the University of Waterloo in 1975. He researched the chemistry of hydride complexes rhodium and iridium under the supervision of Professor Brian James at the University of British Columbia and obtained his PhD degree in 1978. After NATO postdoctoral work at the Nitrogen Fixation Laboratory, University of Sussex with professors Joe Chatt and G. Jeffery Leigh in 1979 and at the Pennsylvania State University with Professor Gregory Geoffroy, he joined the University of Toronto as an Assistant Professor in 1980. He was promoted to Associate Professor in 1985 and Full Professor in 1989. He was awarded the Rutherford Medal in Chemistry from the Royal Society of Canada in 1991 for recognition of his outstanding research.

At the University of Toronto, Morris' research focused on the structures and reactions of dinitrogen and hydride complexes of the chromium and iron group metals. He is most recognized for his work on the discovery and study of transition metal dihydrogen complexes. Nuclear magnetic resonance is a key spectroscopic tool in this work. He has made contributions to the chemistry of π-arene, thiolato and quadruply-bonded complexes of

molybdenum and tungsten. He is also interested in relating spectroscopic, electrochemical and acidity properties of coordination complexes.

Alcan Award Recipients

1979	R.G. Cavell	1987	T. Chivers
1980	H. Alper	1988	D.G. Tuck
1981	A.B.P. Lever	1989	P. Legzdins
1982	G. Ozin	1990	G.M. Bancroft
1983	W.R. Fawcett	1991	F. Bottomley
1984	A.J. Carty	1992	M. Fryzuk
1985	R.J. Puddephatt	1993	R.T. Oakley
1986	M.C. Baird	1994	T. Ziegler

The Alfred Bader Award/
Prix Alfred-Bader

The Alfred Bader Award is a mark of distinction and recognition of a scientist, who shall not have reached the age of 60, for excellence in organic chemistry research.

Le Prix Alfred-Bader est attribué pour une distinction dans le domaine de la recherche en chimie organique par un scientifique qui ne doit pas avoir atteint l'âge de 60 ans.

Donald Arnold, FCIC
Dalhousie University

Radical Ions in Photochemistry
16:00 Sunday, May 28 (MACN 105)

Born in Buffalo, NY, Professor Arnold received his early education in Amherst and New York, and obtained his Bachelor of Science degree from Bethany College in West Virginia in 1957. He obtained his PhD in 1961 from the University of Rochester under the direction of Professor Marshall D. Gates.

Arnold has had considerable industrial experience as a research chemist, having been with the Union Carbide Research Institute in Tarrytown, New York from 1960 to 1970. He also acted as a consultant with Energy Conversion Devices Incorporated of Troy, Michigan.

His academic career includes appointments at the University of Western Ontario as visiting professor in 1968, associate professor in 1970 and professor in 1971.

Arnold joined the Department of Chemistry at Dalhousie University in 1979 as a Killam Research Professor. In 1991 he was named the Alexander McLeod Professor of Chemistry.

He has received numerous awards and honours including an Alfred P. Sloan Research Fellowship (1971-73) and a John Simon Guggenheim Memorial Fellowship (1980-81). He has served on the editorial boards of several journals and on a number of NSERC committees including he Chemistry Grant Selection Committee (1978-81) and the Grants and Scholarship Committee (1983-86). He also served as the NSERC Group Chairman for Chemistry (1983-86). He has held important positions in many organizations, including President of the Inter-American

Photochemical Society and Director of Organic Chemistry of the Canadian Society for Chemistry.

His internationally recognized research on the development of useful photochemical synthetic methods has trained more than twenty graduate students and laid the foundations for the careers of some of Canada's best young chemists, in particular Willie Leigh and Dan Wayner.

Bader Award Recipients

1988	S. Hanessian
1989	K.U. Ingold
1990	H. Alper
1991	P. Deslongchamps
1992	J. Bryan Jones
1993	V. Snieckus
1994	E. Piers

The Clara Benson Award/
Prix Clara-Benson

Sponsored by/Parrainé par
Canadian Council of University Chemistry Chairs (CCUCC)

The Clara Benson Award is for a distinguished contribution to chemistry by a woman.
Le Prix Clara-Benson est attribué à une femme chimiste pour une distinction dans le domaine de la chimie.

This award is named after Clara Benson (1875-1964), the second woman to receive a PhD from the University of Toronto; the first woman to receive a PhD in Chemistry from the University of Toronto graduated in 1903. She did research in food chemistry, and eventually became Professor and Head of Food Chemistry at the University of Toronto where she served until her retirement in 1945. She was a founding member of The CIC, and the only woman among its founders.

Helle Tosine
Ontario Ministry of Environment and Energy, Toronto, ON

The Environment: from a Fringe Research Area to Big Business
8:30 Thursday, June 1 (MCKN 117)

Tosine earned her BSc and MSc in analytical, environmental chemistry from McMaster and York Universities, respectively. She is currently responsible for implementing the Environmental Bill of Rights for the Government of Ontario and establishing policies and priorities for the Ministry of Environment and Energy, based on science and technology.

Tosine has six years with Environment Canada in the areas of: analytical research supporting shipboard joint investigations with the United States on the Great Lakes, research and development into the removal of hazardous substances (e.g., PCBs and asbestos) from water and wastewater, research and development into photochemical destruction of toxic organics (e.g., PAHs, pesticides).

Tosine also has 14 years of experience with Environment Ontario (now the Ministry of Environment and Energy)(MOEE): as Manager, she established the Dioxin Laboratory and Drinking Water Analysis to support MOEE analytical programs; as Assistant Director, she developed various air

regulations including the Clean Air Program (revisions to reg. 346) for Ontario; as Director, she co-ordinated strategic/long-range planning for research and technology development for MOE.

She also has many years' experience in organizing and chairing international scientific conferences and the MOE Technology Transfer Conference. Tosine has worked closely with Environment Canada, and Ontario industries on a proposal for the Technology Transfer Centre for Ontario. Furthermore, she has worked closely with Industry, Science and Technology Canada in the promotion of Ontario environmental industries to Eastern European countries, Mexico, and the "Four Motors" countries. She is the vice-chair of the Ontario Section of the Air and Waste Management Association, a member of the Advisory Committee for the National Research Council of Canada; a member of the Advisory Board, Analytical and Environmental Chemistry, University of Western Ontario. Tosine is also a member of the Advisory Board at the Centre for Analytical and Environmental Chemistry at Carleton University as well as a member of the Advisory Committee, Technology for Environmental Solutions (Green Plan) - Government of Canada. She is also the Corresponding Editor for Chemosphere.

Clara Benson Award Recipients

1993	V. Birss
1994	P.W. Codding

Fisher Scientific Award\Prix Fisher-Scientifique

Sponsored by/Parrainé par
Fisher Scientific Company Ltd.

The Fisher Scientific Award is for a distinguished contribution in analytical chemistry.
Le Prix Fisher-Scientifique est attribué pour une distinction dans le domaine de la chimie analytique.

Harold Schiff
Unisearch Associates Inc., Toronto, ON

Musings of an Atmospheric Chemist Trying to Understand Why He Would Win an Analytical Chemistry Prize
11:00 Wednesday, May 31
(THOR 100)

Schiff is Canada's senior atmospheric chemist. After receiving his PhD in electrochemistry at the University of Toronto in 1948, he did a post-doctorate in photochemistry with E.W.R. Steacie at NRC and went through the professional ranks at McGill University from 1950 to 1965 becoming the director of the Upper Atmosphere Research Group. In 1965, he became the founding Dean of the Faculty of Science at York University and served as the first chair of its Chemistry Department.

He was among the first to recognize the potential threat of human activities to the earth's ozone layer and served on the USA Academy of Science's Panel on Stratospheric Chemistry and Transport becoming its chair in 1979. The report of this Panel resulted in the banning of the use of CFC in aerosol spray cans in the USA, Canada and several other countries. In 1989-90, he was a senior fellow of the Institute for Advanced Studies of Berlin.

Harold Schiff was the founding director of the Canadian Institute for Atmospheric Chemistry and in 1980 started Unisearch Associates Inc., a private company making air measuring instruments and providing atmospheric measurement services. He is currently President and CEO of Unisearch.

Schiff's research activities include making laboratory and atmospheric measurements of interest to atmospheric chemistry. He was the first to measure the concentration of NO in the stratosphere from high altitude

balloons. In order to make his measurements, he had to develop new analytical procedures and analytical instruments. He built one of the first mass spectrometers in Canada, developed sensitive chemiluminescent detectors and was the pioneer in applying tunable diode laser spectroscopy to atmospheric measurements. A number of new remote sensing spectroscopic systems have been developed by his group. He has published more than 200 hundred refereed papers as well as several books.

Fisher Award Recipients

1968	F.E. Beamish
1969	W.E. Harris
1970	R.P. Graham
1971	R.N. Jones
1972	D.E. Ryan
1973	W.A.E. McBryde
1974	G.C.B. Cave
1975	S. Barabas
1976	I. Hoffman
1977	J.L. Monkman
1978	R.E. Jervis
1979	D.S. Russell
1980	W.A. Aue
1981	C.L. Chakrabarti
1982	W.C. Purdy
1983	No award
1984	D.L. Rabenstein
1985	A. Corsini
1986	S.S. Berman
1987	G. Horlick
1988	F.W. Karasek
1989	M. Thompson
1990	B. Kratochvil
1991	No award presented
1992	F.F. Cantwell
1993	J. Hubert
1994	M.W. Blades

R.U. Lemieux Award for Organic Chemistry/Prix de chimie organique R.U. Lemieux

Sponsored by/Parrainé par
Organic Chemistry Division

The R.U. Lemieux Award recognizes a distinguished contribution in organic chemistry.
Le Prix R.U. Lemieux est attribué pour une distinction dans le domaine de la chimie organique.

Thomas T. Tidwell, FCIC
University of Toronto

Ketenes and Bisketenes: Organic Chemistry in Microcosm
15:00 Sunday, May 28 (MACN 105)

Tidwell was born in Atlanta, Georgia, in 1939, and gained an unfailing enthusiasm for chemistry there at the Georgia Institute of Technology, where he received a BS degree in 1960. He obtained a PhD at Harvard working with P.D. Bartlett, and carried out postdoctoral research at the University of California, San Diego, with Teddy Traylor, and at the University of East Angli, England, with Alan Katritzky. After teaching at the University of South Carolina, he came to the University of Toronto in 1972 where he has served as Associate Dean of the Scarborough Campus and Associate Chair of the Chemistry Department.

After previous studies of steric crowding, free radicals, carbonions, and electrophilic additions, his current research interests are concentrated in the areas of ketenes and destabilized carbocations. In the former, he has written a monograph Ketenes, to be published in 1994. In 1992, his research group achieved the first preparation of a stable and persistent 1,2-bisketene, and is now engaged in the further study of this family and of their practical applications. In the areas of destabilized carbocations, their investigations now include the phenomenon of antiaromaticity in carbocations, and the behaviour of ion pairs of these species as revealed by salt effects.

Tidwell served as Chair of the Organic Division of the Canadian Society for Chemistry and is currently Chair of the Physical Organic Commission of the International Union of Pure and Applied Chemistry.

R.U. Lemieux Award Recipients

1992	S. Wolfe
1993	T-H. Chan
1994	P. Deslongchamps

W.A.E. McBryde Medal/Médaille W.A.E. McBryde

Sponsored by/Parrainé par
Dow Chemical Canada Incorporated

The W.A.E. McBryde Medal is awarded in recognition of a significant achievement in pure or applied analytical chemistry.

La médaille W.A.E. McBryde est attribuée pour une distinction à la chimie analytique pure ou appliquée.

Janusz B. Pawliszyn, MCIC
University of Waterloo

Solvent-Free Sampling Solvent Preparation Techniques Based on Fibre and Polymer Technologies
8:30 Tuesday, May 30 (THOR 100)

Pawliszyn is an associate professor of analytical chemistry at the University of Waterloo. He received his chemical engineering degree and MSc in organic chemistry from the Technical University of Gdansk and PhD in analytical chemistry from Southern Illinois University in 1982. His postdoctoral work was in physical chemistry at the University of Toronto. Pawliszyn began his independent research career as an assistant professor at Utah State University and in January 1988 joined the science faculty at the University of Waterloo. He is interested in the development of new analytical techniques and procedures. Currently his research is focusing on the elimination of organic solvents from the sample preparation step. Several alternative techniques to solvent extraction are investigated including supercritical fluid extraction, hollow fibre membranes and coated fused silica fibres. Pawliszyn is exploring the application of the chemometric techniques to enhance the performance of chromatographic separations and detection. The major area of his interest involves the development and application of concentration gradient detection and CCD imaging techniques for microcolumn chromatography and capillary electrophoresis. Pawliszyn is a member of the Board of Directors of the Waterloo Centre for Groundwater Research. He is also a member of the Editorial Boards of the Journal of Microcolumn Separations, Analyst and Electrophoresis.

McBryde Medal Recipients

1987	M.W. Blades	1991	N. Dovichi
1988	J.W. McLaren	1992	R. Clement
1989	E. Salin	1993	D.J. Harrison
1990	R.E. Sturgeon	1994	U.J. Krull

The Merck Frosst Centre for Therapeutic Research Award/ Prix du Centre de recherche thérapeutique Merck Frosst

Sponsored by/Parrainé par
Merck Frosst Centre for Therapeutic Research

The Merck Frosst Centre for Therapeutic Research Award is given for a distinguished contribution in the field of organic chemistry or biochemistry by a scientist who shall not have reached the age of 40.

Le Prix du Centre de recherche thérapeutique Merck Frosst est attribué pour une distinction dans les domaines de la chimie organique ou de la biochimie par un chercheur qui ne doit pas avoir atteint l'âge de 40 ans.

Peter C. Wan, FCIC
University of Victoria

Quinone Methides: Relevant Intermediates in Organic Chemistry
11:20 Monday, May 29
(MACN 105)

Wan was born in Hong Kong in 1956. His family immigrated to Wales in 1964 and then to Canada in 1968. He graduated with a BSc in chemistry from the University of Toronto in 1979 and continued on at the same institution to obtain his PhD (1983) under Keith Yates, on an NSERC postgraduate scholarship, working in mechanistic organic photochemistry. With an NSERC postdoctoral fellowship, he spent 1983-84 working with Nick Turro at Columbia University working on biradical chemistry. In 1984, he was awarded a University Research Fellowship and joined the faculty at the University of Victoria, as an assistant professor. Wan was promoted to associate professor in 1989 and to professor in 1994. He is on the editorial board on the Journal of Photochemistry and Photobiology and was a member of the international organizing committee for the 15th IUPAC Symposium on Photochemistry (Prague, 1994). He has been on the executive of the Vancouver Island Section of the CIC for many years, as treasurer and as faculty advisor. He was the recipient of a CNC/IUPAC travel award in 1992.

Wan's research is concerned with mechanistic organic photochemistry, with emphasis on reactions involving ionic intermediates. He has shown that certain high energy (formally antiaromatic) carbocations and carbanions may be readily photogenerated using suitably designed systems. The solution phase reaction dynamics of many of these reactions have now been studied by laser flash photolysis, providing new insights on their reactivity. Recent studies have been focused on the photogeneration and chemistry of quinone methides, a family of intermediates of relevance not only in photochemistry, but also in organic synthesis, biochemistry, toxicology, and wood chemistry.

Merck Frosst Award Recipients

1955	S. Kirkwood
1956	R.U. Lemieux
1957	A.C. Neish
1958	H.G. Khorana
1959	J.F. Morgan
1960	O.E. Edwards
1961	A.S. Perlin
1962	B. Belleau
1963	P. Yates
1964	G.M. Tener
1965	L.C. Vining
1966	P. de Mayo
1967	Z. Valenta
1968	J.P. Kutney
1969	E.W. Warnhoff
1970	W.A. Ayer
1971	J.B. Stothers
1972	S. Wolfe
1973	J.W. ApSimon
1974	S. Hanessian
1975	L.D. Hall
1976	P. Deslongchamps
	J.F. King
1977	B.O. Fraser-Reid
1978	I.C.P. Smith
1979	E. Piers
1980	T. Durst
1981	C.A. Fyfe
1982	T.H. Chan
1983	R.H. Kluger
1984	L.S. Weiler
1985	D. Griller
1986	J.C. Vederas
1987	R.J. Andersen
1988	J.D. Wuest
1989	S.G. Withers
1990	O. Hindsgaul
1991	A. Weedon
1992	W. Leigh
1993	B.M. Pinto
1994	M. Lautens

The Noranda Award/Prix Noranda

Sponsored by/Parrainé par
Noranda Incorporated

The Noranda Award is presented for a distinguished contribution in the field of physical chemistry by a scientist who shall not have reached the age of 40.

Le Prix Noranda est attribué pour une distinction dans le domaine de la chimie physique par un chercheur qui ne doit pas avoir atteint l'âge de 40 ans.

John Tse
National Research Council of Canada

Order out of Disorder
15:00 Wednesday, May 28
(MACN 113)

Tse received an Honours BSc degree in 1975 from the Chinese University of Hong Kong. He obtained a PhD from the University of Western Ontario in 1980 working with G.M. Bancroft on theoretical problems relating to photoelectron spectroscopy. He was appointed to continuing staff at the Chemistry Division of National Research Council of Canada in 1981 after spending one year as a NSERC fellow. He joined the Steacie Institute for Molecular Sciences and was promoted to senior research officer in 1990. He was appointed adjunct professor at the chemistry department of the University of Western Ontario in 1993.

His research interests are broadly based but focus on the experimental and computational studies on the structure and dynamics of small clusters and solid state phase transformations. On the experimental side, his work emphasizes the use of high resolution synchrotron radiation in small and wide angle diffraction under ambient and high pressure conditions. His computational work is concerned with the application of molecular dynamics and local density functional techniques to a wide variety of problems from the thermodynamics and structural stability in molecular solids to photoabsorption and photoionization phenomena with variable photon energy. More recently, his main efforts have been with the development and application of ab initio molecular dynamics methods in the investigation of the structural dynamics of clusters and solids.

Noranda Award Recipients

1963	N.C. Bartlett
1964	B.E. Conway
1965	J.A. Davies
1966	R.J. Gillespie
1967	J.C. Polanyi
1968	H.C. Clark
1969	L.W. Reeves
1970	W.A.G. Graham
1971	A.G. Harrison
1972	J. Trotter
1973	T.P. Schaeffer
1974	W.R. Cullen
1975	B.R. James
1976	J.R. Bolton
1977	C.E. Brion
1978	B. Bosnich
1979	A. Vijh
1980	G.P. Johari
1981	R. Kapral
1982	R.M. Leblanc
1983	D.K. Bohme
1984	G.A. Kenney-Wallace
1985	P.W. Brumer
1986	G.N. Patey
1987	D.R. Salahub
1988	P.A. Hackett
1989	A.P. Hitchcock
1990	No award presented
1991	A. Thakkar
1992	N. Dovichi
1993	J.W. Hepburn
1994	A.D. Becke

The John C. Polanyi Award/
Prix John C. Polanyi
Sponsored by/Parrainé par
Xerox Research Centre of Canada

The John C. Polanyi Award is for excellence in research in physical and theoretical chemistry or chemical physics by a scientist who shall not have reached the age of 65.

Ce prix est attribué pour la qualité exceptionnelle de travaux de recherche dans les domaines de la chimie physique et théorique ou de la physicochimie par un scientifique qui ne doit pas avoir atteint l'âge de 65 ans.

Peter R. Norton, FCIC
University of Western Ontario

Surface Science: Past, Present and Future; a Personal Perspective
16:00 Sunday, May 28 (MACN 113)

Norton was born in 1942 in Hingham, Norfolk, England. His undergraduate degree, a first in Chemistry in 1963 at Nottingham University, was followed by a PhD in Physical Chemistry also at Nottingham under the supervision of Prof. D.D. Eley FRS in 1966. After a year as an Imperial Chemical Industries (ICI) Post-doctoral Fellow, Norton went to the National Research Council as a Post-doctoral Fellow with Dr. Jim Morrison and stayed with Jim between the fall of 1967 and 1970, the last year as a Research Associate when Jim took up the position of Director of the Institute for Materials Research. After one year at McMaster doing low temperature calorimetry on molecular crystals and pieces of Apollo 11 and 12 moon rocks, he moved to Chalk River laboratories (then Chalk River Nuclear Labs) of Atomic Energy of Canada Ltd. in 1970. During the period from 1970 to 1986, he set up a surface science program aimed at improving our understanding of catalytic phenomena involved in heavy water production (hydrogen-water isotope exchange over wet-proofed Pt catalysts). During the 1970's, Norton and John Davies collaborated on a program to develop the use of MeV ion beams in surface science. This program rapidly became one of

the leading such programs in the world. The quantisation of surface structure (by MeV ion channelling) and coverage (by nuclear reaction analysis) were of particular significance. Norton was also involved in the early stages of development of X-ray and UV photoelectron spectroscopy in surface research and contemporaneously with Ward Plummer, correctly assigned the molecular orbitals involved with the bonding of CO on metal surfaces. In 1980 during a year at the Institute for Physical Chemistry at the University of Munich with Professor Gerhard Ertl, Norton formulated the first microscopic model of the oscillations in the rate of oxidation of CO over a platinum single crystal surface, based on a surface phase transition. In 1986, together with Drs. Ian Mitchell, Willy Lennard and Keith Griffiths, Norton moved much of the surface science and the MeV ion beam research to the University of Western Ontario as an NSERC Senior Industrial Research Professor of Surface and Materials Science. This group (called Interface Science Western) now numbers about 40 people including technicians, post-docs, graduate students, visitors and operates on a budget of over $1M annually. The range of activities is very large and includes studies of the corrosion of zirconium (on behalf of the nuclear industry), thin film growth by chemical and physical vapour deposition (for protective coatings, microelectronic and magnetic applications), materials science for microelectronic applications, catalysis, nanotribology utilizing atomic force and interfacial force microscopies and a program to understand the interaction of water with metal surfaces.

Norton was a founding member of the Ontario Centre for Materials Research (OCMR) and served as Program Area Leader for the Interface Science and Technology area from 1988 to 1993. From 1993 to 1994 he was the Academic Leader for the Films, Surfaces and Coating program area. He still sits on the Scientific Planning Committee. In 1990, he was a founding member of the Network of Centres of Excellence in Molecular and Interfacial Dynamics (CEMAID) and was the Program Leader for Surface Science for 3 of the 4 years. He has published over 140 papers and reviews. These activities have been recognized by the award of a Humboldt Fellowship in Munich in 1980, FCIC in 1981, the Parravano Award of the Michigan Catalysis Society for Excellence in Catalysis Research in 1992, and election as one of the first 20 Fellows of the American Vacuum Society for "outstanding and sustained contributions to the use of MeV ion beams in studies of the structure and reactivity of surfaces".

John C. Polanyi Award Recipients

1992	J.C. Polanyi
1993	C.E. Brion
1994	S. Huzinaga

The E.W.R. Steacie Award in Chemistry/
Prix E.W.R. Steacie - Chimie

Sponsored by/Parrainé par
Sciex Inc., Division of MDS Health Group

The E.W.R. Steacie Award in Chemistry is given to a scientist for a distinguished contribution to chemistry.

Le prix E.W.R. Steacie est attribué pour une distinction dans le domaine de la chimie.

Arthur J. Carty, FCIC

Twenty Years of Cluster Chemistry: from Small Molecules to Materials Science
15:00 Sunday, May 28 (THOR 100)

Carty was born in Durham County in the northeast of England and he attended the University of Nottingham as a United Kingdom State Scholar, graduating in 1962 with a first class honours degree in Chemistry and a PhD in 1965 in Inorganic Chemistry. Carty began his academic career at Memorial University, St. John's, Newfoundland where he was an assistant professor, before moving to the University of Waterloo in 1967. He served as the first Director of the Guelph-Waterloo Centre for Graduate Work in Chemistry (1975-79) in its formative years and as Chairman of the Department of Chemistry for two terms (1983-89) prior to taking up his current appointment as Dean of Research. Carty's research interests are in synthetic chemistry, metal clusters, polynuclear activation of small molecules and new materials research. He is the author of 205 papers in primary journals, 5 review articles and 9 chapters in books. Two of his articles were among the 100 most cited papers published in pure and synthetic chemistry in 1981 and 1982. Professor Carty has held visiting professorships at the University of Florida (U.S.A.), the University of Sussex (U.K.)(on a Royal Society – Nuffield Foundation Fellowship), Universitá di Torino (Italy) and L'Université de Rennes (France). In 1986 he was awarded an Honorary Doctorate (DSc(hc)) from Rennes for his contributions to chemical research and he also received the Université de Rennes Medal in 1989. Dr. Carty has

served as Chairman of the Chemistry and Research Development Grant Selection Committees of the Natural Sciences and Engineering Research Council of Canada and as Group Chairman for Chemistry and Interdisciplinary Research. He has also chaired more than thirty other peer evaluation committees for NSERC and is currently a member of the Committee on Targeted Research. As a consultant and advisor, Dr. Carty has served many private and public sector organisations. He was a project specialist for the World Bank on the Chinese Provincial Universities Development Project in 1988 and 1991 and is currently a member of the International Intellectual Property Committee (IIPRC) of the Intelligent Manufacturing Systems (IMS) Project of Australia, Canada, EEC, EFTA, Japan and the U.S.A. He currently serves on the Boards of several organisations including: The Advisory Board, Steacie Institute of Molecular Sciences, National Research Council of Canada; the Ontario Centre for Materials Research; the Waterloo Centre for Groundwater Research; the Fields Institute for Research in the Mathematical Sciences; the Canadian Institute for Chemical Sciences and Technology; the Canadian Industrial Innovation Centre. Professor Carty has been Vice President and President of the Canadian Society for Chemistry. He was awarded the Alcan Award of the Canadian Society for Chemistry in 1986 in recognition of his contributions to Inorganic Chemistry and he was elected a Fellow of the Royal Society of Canada in 1989. He currently chairs the Royal Society of Canada's Public Awareness of Science Committee.

E.W.R. Steacie Award Recipients

1990	I.G. Csizmadia
1991	W.A.G. Graham
1992	P. De Mayo
1993	H. Alper
1994	W. Ayer

The Syntex Award/Prix Syntex

Sponsored by/Parrainé par
Syntex Discovery Research

The Syntex Award is presented for a distinguished contribution to the field of medicinal chemistry through research involving biochemical or organic chemical mechanisms.

Le Prix Syntex est attribué pour une distinction dans le domaine de la chimie thérapeutique par l'entremise de recherches portant sur les mécanismes biochimiques ou chimico-organiques.

J. Peter Guthrie, FCIC
University of Western Ontario

Correlation and Prediction of Rate Constants for Organic Reactions
14:00 Wednesday, May 31
(MACN 105)

Guthrie was born in Port Elgin, Ontario. He received his undergraduate education at the University of Western Ontario, obtained a PhD at Harvard University, with Professor F.H. Westheimer, and spent a postdoctoral year at Princeton University, with Professor A.B. Pardee. In 1969 he joined the Chemistry Department at the University of Western Ontario, becoming Professor in 1978. His research has been recognized by an Alfred P. Sloan Fellowship (1975-79), and E.W.R. Steacie Fellowship (1980-82), and the Florence Bucke Science Prize for research at the University of Western Ontario.

Guthrie had developed powerful new tools for physical organic chemistry applicable to problems of both enzymic and non-enzymic reaction mechanisms. These include thermochemical methods for determining energies of metastable reaction intermediates, the use of rate-equilibrium correlations for the individual steps of organic mechanisms, and theories of concerted reactions providing a framework for analysis and prediction. His theory of concerted reactions allows quantitative predictions of rate constants, and provides a basis for deciding whether a reaction will be stepwise, concerted or borderline.

Syntex Award Recipients

1983	K.U. Ingold
1984	K. Yates
1985	E. Buncel
1986	E.G. Janzen
1987	R. Stewart
1988	A.J. Kresge
1989	J. Warkentin
1990	R.A. McClelland
1991	R.S. Brown
1992	R.C. Barclay
1993	D. Dolphin
1994	R.H. Kluger

The Canadian Society for Chemistry
La Société canadienne de chimie

Student Chapters' Merit Award
Prix du mérite des sections étudiantes

Sponsored by/Parrainé par
Canadian Society for Chemistry

The Canadian Society for Chemistry Student Chapters' Merit Award is presented in recognition of initiative and originality in Student Chapter programming by students studying in the field of chemistry/biochemistry. The 1995 winning Chapters, receiving a plaque or certificate and lapel pins, are **University of Guelph** (Highest Award) and **University of British Columbia** (Honourable Mention).

Le prix du mérite des sections étudiantes est offert afin de reconnaître et d'encourager l'esprit d'initiative et de créativité dans la programmation des activités des sections étudiantes dans le domaine de la chimie/biochimie. Les sections étudiantes gagnantes pour 1995, qui recevront une plaque ou certificat et des épingles de revers, sont les sections étudiantes de **University of Guelph** (section gagnante) et **University of British Columbia** (mention honorable).

University of Guelph Chemistry and Biochemistry Club:

A very successful year was filled with social and scientific affairs as well as a series of activities aimed towards raising the awareness of chemistry among young people. From a Chemistry Magic Show presented to young children visiting the campus to view the Science Circus (of the Ontario Science Centre), a Polymer Demonstration for the Halton Regional Chapter of the Association for Bright Children at Blakelock High School, visits to area high Schools for National Chemistry Week expounding the virtues of a career in chemistry and sponsoring a public seminar about the pharmaceutical industry in Canada, this club is dedicated to promoting chemistry to young people and adults alike.

The year eclipses with the College Royal (a University of Guelph open house for the community). The Chemistry Department is one of the most popular venues each year because of the Chemistry Magic Show. This year five performances were shown to about 300 people each time in addition to displays in the department itself.

The club did opt for fun and frolic as well as hard work with a Frosh week Barbecue and Scavenger Hunt, Freshmen Student Welcome, Christmas Potluck dinner, and Year-end Dinner. To top off a very busy year, a number of Club members have signed on to help here at the CSC Conference in Guelph.

University of British Columbia Student Chapter:

A variety of sporting events were held throughout the year both intramural sports and "fun" nights. Here we mention only a few. A broomball night provided the opportunity to compete against the Physics society. The popular Gym Night provided both exercise and socializing with games of basketball, volleyball and other indoor sports. A very successful table tennis tournament was another event not to be missed.

Science Week, the third week of January brought out the Chemistry "Magic Show" which educated and entertained the undergraduate students. This major success is sure to be continued next year.

A useful service provided by the club is the sale of laboratory manuals, labcoats, and tools in the study of chemistry courses such as the course supplement for 1st year organic chemistry and copies of previous chemistry exams with answers provided. The Rosagram business operated on Valentine's Day. For the low, low, price of three bucks, students could send a beautiful rose and a message to a sweetheart, lover or friend.

Chemistry Forum, a student initiated project with the purpose of encouraging relations between the UBC Chemistry Department and the chemistry industry is becoming an annual event. Special speakers and a panel discussion gave very useful advice to students addressing their concern regarding their careers in the chemical fields.

The Canadian Society for Chemical Technology
La Société canadienne de technologie chimique

Student Chapters' Merit Award
Prix du mérite des sections étudiantes
Sponsored by/Parrainé par
Canadian Society for Chemical Technology

The Canadian Society for Chemical Technology Student Chapters' Merit Award is presented in recognition of initiative and originality in Student Chapter programming by students studying in the field of chemical technology. The 1995 winning Chapter, receiving a plaque and lapel pins, is **Mohawk College of Applied Arts & Technology**.

Le prix du mérite des sections étudiantes est offert afin de reconnaître et d'encourager l'esprit d'initiative et de créativité dans la programmation des activités des sections étudiantes dans le domaine de la technologie chimique. La section étudiante gagnante pour 1995, qui recevra une plaque et des épingles de revers, est la section étudiante au **Collège Mohawk**.

Mohawk College Student Chapter:

The CSCT Student Chapter at Mohawk College continued to be very active this year. With the "Meet the Faculty" Night and the "Annual Alumni Night" students are encouraged to talk to the faculty and alumni, in a social atmosphere, regarding their career in chemical technology.

Technical sessions continue to be organized by the chapter. Judging by the attendance, they are a great success. During National Chemistry Week, a booth was set up at the college in an effort to educate the students and public alike on chemistry issues. Several students also assisted in judging in the local Science Fair.

To offset the danger of "all work and no play" various sporting and social events were held throughout the year for club members.

The highlight of the year for this student chapter was observed during convocation. The President of the Student Chapter, Jackie Burrows, was awarded the College Bronze Medal in recognition of her work and success with the chapter. Congratulations Jackie!

FOR ADDITIONAL INFORMATION/
POUR DE PLUS AMPLES RENSEIGNEMENTS

The Chemical Institute of Canada
Diane Goltz, Program Manager, Awards
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2

Telephone: 613-232-6252
Fax: 613-232-5862
E-mail: CSCXT@ACADVM1.UOTTAWA.CA

CONFERENCE SPONSORS

It is a pleasure to acknowledge the following organizations which, at the time of going to press, have made financial contributions in support of the conference.

Au moment d'aller sous presse, il nous fait plaisir de souligner la contribution des organismes suivants:

A.E. Autoclave of Canada
Air Canada
ACIC (Canada) Inc.
Akzo-Nobel
Association of the Chemical Profession of Ontario
Astra Pharma Inc.
BFGoodrich Co.
BioChem. Therapeutic Inc.
Bio-Méga/Boehringer Ingelheim Recherche Inc.
B.P. Chemicals Inc.
Bristol-Myers/Squibb
Bruker Spectrospin (Canada) Ltd.
Caledon Laboratories Ltd.
Chromatographic Specialities Inc.
City of Guelph
Diagnostic Chemicals
Dow Chemical Canada Inc.
Dow Chemical Co.
Enraf Nonius Co.
Fisons Instruments
Glaxo Canada Inc.
Henkel Canada Ltd.
Hewlett Packard Ltd.
H.L. Blachford Ltd.
Innovative Technology Inc.
John Wiley & Sons Canada Ltd.
Labatt Brewing Co. Ltd
3M Canada Ltd.
McNeil Consumer Products Co.
Merck Frosst Canada Inc.
Microlites Scientific
Monnex Insurance Brokers Ltd.
Molecular Structure Corporation
Monsanto Canada Inc.
Novacor Research and Technology Corporation
Ortho-McNeil Inc.
Pfizer Inc.
Rhône-Poulenc Canada Inc.
Royal Bank of Canada
Siemens Electric Ltd.
Sleeman Brewing & Malting Ltd.
Supelco Canada Ltd.
Syntex Discovery Research
Torcan Chemical Ltd.
Uniroyal Chemical Co. Ltd.
University of Guelph
University of Waterloo
Union Carbide Corporation
Varian Canada Inc.
W.H. Freeman and Co.
Xerox Research Centre of Canada

Canadian Society for Chemistry
Société Canadienne de Chimie

September 9, 1994

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

The Canadian Society for Chemistry is pleased to have your sponsorship of the Alfred Bader Award. Thank you for your kind generosity. Please find attached an advice detailing the costs associated with the 1994 award.

I am pleased to provide you with a photograph of the award presentation which took place at the 77th Canadian Society for Chemistry Conference and Exhibition in Winnipeg, Manitoba on June 1, 1994. In 1994, you presented the award to Edward Piers, University of British Columbia. I enclose another copy of the awards booklet provided to all delegates attending the 77th CSC Conference.

I look forward to seeing you and Isabel Bader in Guelph next year.
Please do not hesitate to call me if you require additional information.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards

Att.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

File

1994 AWARDS/PRIX

Presented at/Présentés au

77th Canadian Society for Chemistry Conference and Exhibition
77e Congrès et exposition de la Société canadienne de chimie

Winnipeg, Manitoba - May 29 mai - June 2 juin, 1994

FOR ADDITIONAL INFORMATION/
POUR DE PLUS AMPLES RENSEIGNEMENTS

The Chemical Institute of Canada
Diane Goltz, Program Manager, Awards
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2

Telephone: 613-232-6252
Fax: 613-232-5862
E-mail: CSCXT@ACADVM1.UOTTAWA.CA

Table of Contents/Table des matières

The Chemical Institute of Canada/ L'Institut de chimie du Canada

The CIC Medal/La Médaille de l'ICC

Sponsored by/Parrainé par INCO Limited

The Chemical Institute of Canada Medal is presented as a mark of distinction to a person who has made an outstanding contribution to the science of chemistry or chemical engineering in Canada. The award consists of a palladium medal.

La médaille de l'Institut de chimie du Canada est remise en guise de témoignage de distinction à une personne qui a apporté une contribution exceptionnelle à la chimie ou au génie chimique au Canada. Le prix comprend une médaille en palladium.

The late Thorbergur Thorvaldson received the CIC Medal in 1951, the first year it was awarded, at the 34th Annual Conference of The Chemical Institute of Canada in Winnipeg, Manitoba. Thorvaldson was William Graham's supervisor at the University of Saskatchewan, where he did graduate work.

William A.G. Graham, FCIC
University of Alberta

The Rich Potential of Trispyraxolylborate Ligands
13:30 Wednesday, June 1 (MR 2)

William A.G. Graham is a Saskatchewan native and a graduate of the University of Saskatchewan (BA, MA) where he studied under the supervision of Thorbergur Thorvaldson and John Spinks. He completed his PhD at Harvard University in 1956 under the direction of F.G.A. Stone. Following a postdoctoral fellowship with Anton Burg at the University of Southern California, he joined the research and consulting firm of Arthur D. Little, Inc. in Cambridge, Massachusetts.

In 1962, Graham returned to Canada to continue his academic career at the University of Alberta. Within a few years, the systematic studies of organometallic compounds and metal carbonyl derivatives undertaken by his research group had attracted international attention, and were recognized in 1970 by the CIC's Noranda Lecture Award. Subsequently, new syntheses of compounds having silicon-transition metal bonds were developed, and among these products a novel and important silicon-hydrogen-transition metal interaction was identified. Other notable discoveries of the 1970-1982 period were a series of non-rigid six-coordinate complexes displaying stereospecific ligand exchange; formally unsaturated dinuclear complexes; the

first monohaptocyclohepatrienyl transition metal derivatives; and the stepwise reduction of coordinated carbon monoxide.

Graham is probably best known for his work since 1982, when he reported the remarkable discovery that an unsaturated iridium intermediate will insert into the carbon-hydrogen bonds of alkanes at ordinary temperature to yield a well-defined product. The carbon-hydrogen bond is said to have been activated by this process, and the high level of interest in the reaction arises from the hope that it will provide a means to introduce hydrocarbons into catalytic cycles operating under mild conditions.

CIC Medal Recipients

1951	T. Thorvaldson	1973	S.G. Mason
1952	O. Maass	1974	H.J. Bernstein
1953	E.W.R. Steacie	1975	B.E. Conway
1954	R.K. Stratford	1976	J.C. Polanyi
1955	A.R. Gordon	1977	R.J. Gillespie
1956	L. Marion	1978	R.J. Cvetanovic
1957	H.G. Thode	1979	B. Belleau
1958	C.A. Winkler	1980	W.H. Rapson
1959	R.H. Manske	1981	K.U. Ingold
1960	C.B. Purves	1982	P. de Mayo
1961	W.G. Schneider	1983	C. Sandorfy
1962	E. Baer	1984	P. Yates
1963	K. Wiesner	1985	A.G. Brook
1964	R.U. Lemieux	1986	P. Kerbarle
1965	P.A. Giguère	1987	J.C.D. Brand
1966	W.H. Gauvin	1988	S. Hanessian
1967	H.E. Gunning	1989	J.L. Holmes
1968	J.A. Morrison	1990	A. Vijh
1969	C.A. McDowell	1991	K. Yates
1970	D.J. LeRoy	1992	D.A. Ramsay
1971	K.J. Laidler	1993	P. Brumer
1972	G. Herzberg	1994	W.A.G. Graham

The Macromolecular Science and Engineering Award/
Le Prix des sciences et du génie macromoléculaires

Sponsored by/Parrainé par
Novacor Chemicals Ltd.

The Macromolecular Science and Engineering Award is presented to an individual who has made a distinguished contribution to macromolecular science or engineering.

Le Prix des sciences et du génie macromoléculaires est attribué pour une distinction dans le domaine des sciences et du génie macromoléculaires.

R. Prud'homme, FCIC
Université Laval

Stéréocomplexation des Polymères: Quand? Pourquoi? et Comment?
13:30 Tuesday, May 31 (MR 17)

Robert Emery Prud'homme est né à Sainte-Martine, au Québec, en 1946. Après des études de BSc et de MSc en chimie à l'Université de Montréal, il a obtenu, en 1973 un PhD en sciences des polymères de l'Université du Massachusetts (Amherst) sous la direction du professeur Richard S. Stein. A la suite de ses études post-doctorales sous la direction du professeur Robert H. Marchessault, et un an et demi comme chercheur à Paprican, il s'est joint, en 1975, au Département de chimie de l'Université Laval où il est professeur titulaire depuis 1984.

Boursier E.W.R. Steacie du CRSNG en 1985-86, récipiendaire d'un prix Summa en recherche de la Faculté des sciences et de génie de l'Université Laval en 1989-90, d'un prix Agora de la ville de Montréal en 1989, et Fellow de l'Institut de chimie du Canada depuis 1989, il a fondé, en 1986, le Centre de recherche en sciences et ingénierie des macromolécules (CERSIM) de l'Université Laval, dont il est le directeur.

Ses intérêts en recherche portent sur l'état solide des polymères: cristallisation, fusion, stéréocomplexation, mélanges polymères et orientation. Il a dirigé, à ce jour, les travaux de plus de cinquante-cinq étudiants gradués, dont vingt au Ph.D.

Macromolecular Science and Engineering Award Recipients

1971	G.S. Whitby
1973	S. Bywater
1975	S.G. Mason
1977	H.L. Williams
1979	J.E. Guillet
1981	D.M. Wiles
1983	H.P. Schreiber
1985	D.D. Patterson
1987	A.E. Hamielec
1988	A. Eisenberg (sponsored by Dunlop)
1989	A. Rudin
1990	D.J. Worsfold
1991	B.L. Funt
1992	K. O'Driscoll
1993	M. Winnik
1994	R. Prud'homme (sponsored by Polysar Rubber Corporation)

The Montreal Medal/La Médaille de Montréal

Sponsored by/Parrainé par
The Montreal CIC Section/la Section ICC de Montréal

The Montreal Medal is presented as a mark of distinction for significant leadership in or outstanding contribution to the profession of chemistry or chemical engineering in Canada.

La médaille de Montréal est remise en guise de témoignage de distinction pour des qualités considérables de leader et une contribution exceptionnelle à la profession de la chimie ou du génie chimique au Canada.

Frank Bachelor, FCIC
FWB Chemical Consulting Ltd., Calgary

Professional Associations and the CSC
12:15 Tuesday, May 31 (MR 13)

Frank Bachelor came to Canada from the United States in 1963 when he joined the University of Calgary as an assistant professor. He obtained his BSc from the University of California (Berkeley) and his PhD from the Massachusetts Institute of Technology in 1960. After a one-year postdoctoral fellowship in Munich with Professor F. Weygand, he spent two years with Professor Emil White as a research associate at the Johns Hopkins University in Baltimore. He became involved with CIC affairs shortly after arriving in Canada, and after serving on the local executive for several years was elected to serve as the section national counselor. On council, he served on the Science Policy Committee and wrote the CIC rebuttal to the third LaMontagne report. He later became director of scientific affairs and chair of the board. He was one of the two Canadian coordinators to the ACS-CSJ joint chemical conference in Hawaii in 1979 and was vice chair for the Second North American Chemical Conference and the first International Chemical Congress of Pacific Basin Societies in 1984. He served as Vice-President and president of the CIC from 1989-1991. In 1991, he joined a group of Alberta chemists to form the Association of the Chemical Profession of Alberta and is now president of that organization. He resigned from the University of Calgary in 1989 and is president of FWB Chemical Consulting Ltd.

Montreal Medal Recipients

1956	R.R. McLaughlin
1957	L. Lortie
1958	T.W. Smith
1959	T. Thorvaldson
1960	J.W. Bain
1961	H.B. Marshall
1962	J.R. Donald
1963	C.J. Mackenzie
1964	E.A.G. Colls
1965	L.H. Cragg
1966	W.N. Hall
1967	J.A. Davies
1968	E. Lozinski
1969	L. Marion
1970	L.J. Rubin
1971	I.E. Puddington
1972	H.S. Sutherland
1973	W.G. Schneider
1974	R. Gaudry
1975	B.B. Migicovsky
1976	A.N. Bourns
1977	J.W.T. Spinks
1978	J.W. Hodgins
1979	L. Yaffe
1980	L. Piché
1981	W.O. Twaits
1982	C.A. McDowell
1983	W.H. Gauvin
1984	H.I. Bolker
1985	J.A. Morrison
1986	G.G.S. Dutton
1987	D.G. Tuck
1988	J.-C. Richer
1989	C.J.L. Lock
1990	W.A.E. McBryde
1991	R. Marchessault
1992	G. Kenney-Wallace
1993	H. Thode
1994	F.W. Bachelor

Polysar Rubber Corporation Awards for High School Chemistry Teachers/Prix de Polysar Rubber Corporation à des enseignants en chimie du niveau secondaire

The Polysar Rubber Corporation Awards recognize excellence in the teaching of chemistry at the secondary school level.

Ces prix soulignent l'excellent travail d'enseignants en chimie au niveau secondaire.

Jo Young
St. Patrick's High School, Sarnia, Ontario

Planning for Understanding: A Project Based Mentorship Program for the High School Curriculum
13:30 Monday, May 30 (MR 15)

Jo Young was born and raised in New England where she attended Smith College in Northampton Massachusetts, and spent summers working at the Museum of Science in Boston. She received her Bachelor of Arts degree with honours in chemistry from Smith, married and immigrated to Canada, settling in Kingston where she earned her Master of Arts in biochemistry from Queen's University in 1957. After raising a family of six children, she turned to the University of Western Ontario for updating in the sciences.

While teaching in the Lambton College retraining program, she became interested in students who had difficulty reading, so she enrolled in U.W.O.'s special education program and received her B Ed in 1976. She resumed her career as a teacher with a special class of educationally and behaviourally challenged children. A year later, she moved to St. Patrick's High School to teach intermediate science and senior chemistry. It was the introduction of Dr. Joseph Renzulli's Triad Model for Enrichment that inspired Young to create problem-based, project-driven mentorship programs at St. Patrick's. Using the Renzulli model, Young has incorporated electronic information searching and document ordering as well as networking into the four programs which service students from grades nine to OAC. Young very much appreciates the support and encouragement she has received from the Sarnia section of the CIC as well as from the Youth Science Foundation. She acknowledges the contribution to her efforts by other staff members at St. Patrick's, professors at Western, Waterloo and University of Guelph as well as scientists in the chemical industries in Sarnia.

Recipients

1980	G.E. Huff, Sir Wilfrid Laurier Collegiate Institute, Scarborough, ON
	O.C. Lantz, Harry Ainlay Composite High School, Edmonton, AB
	G. Ogilvie, Beaconsfield High School, Beaconsfield, PQ
	S. Richardson, Riverdale High School, Pierrefonds, PQ
	A. Spenceley, Colonel Gray Senior High School, Charlottetown, PEI
1981	F.J. Borowski, Grant Park High School, Winnipeg, MB
	H. Bugden, Herman Collegiate, Corner Brook, NF
	P.J. Foreman, Fredericton High School, Fredericton, NB
	D.B. Evans, Charlottenburgh Lancaster District High School, Williamstown, ON
	A. Slater, Stratford Central Secondary School, Stratford, ON
1982	M. Miyata, Lakeport Secondary School, St. Catherines, ON
	L. Lisk, Nickel District Secondary School, Sudbury, ON
	M. Syska, St. Francis Xavier High School, Edmonton, AB
	R. Penny, Tobique Valley High School, Plaster Rock, NB
1983	J.S. Allen, Riverdale High School, Pierrefonds, PQ
	D. Johnston, North and South Esk High School, Red Bank, NB
1984	W.S. Bykowy, Walter Murray Collegiate Institute, Saskatoon, SK
	D. LeClair, Colonel Gray Senior High School, Charlottetown, PEI
1985	M. Dzwiniel, McNally Composite High School, Edmonton, AB
	R. Loutfy, Toronto French School, Toronto, ON
	P. Parker, Fredericton High School, Fredericton, NB
	H.M. Rodgerson, Charlottetown Rural High School, Mount Pearl, NF
1986	M. MacKenzie, Nepean High School, Ottawa, ON
	M. Kozman, Lindsay Place High School, Mount Pearl, NF
1987	J. Burns, Prince Andrew High School, Dartmouth, NS
	R. Harris, Labrador City Collegiate, Labrador City, NF
	Z.M. Khoja, Brookfield High School, Ottawa, ON
	G. Loveridge, Silver Heights Collegiate, Winnipeg, MB
1988	L.S. Nikkel, Grenlawn Collegiate, Winnipeg, MB
	C.R. Tompkins, Queen Elizabeth Composite High School, Edmonton, AB
1989	L.O. Mossing, Martin Collegiate, Regina, SK
	M. Pierre-Pierre, Ecole Secondaire Le Virage, Laval, PQ
	R.N. Booth, Elmira District Secondary School, Elmira, ON
1990	F.A. Deuel, Crofton House School, Vancouver, BC
	M. Barker, Regina High School, Corner Brook, NF
1991	P.E. Barron, Carleton Board of Education, Ottawa, ON
	S.C. Thomas, William Aberhart Senior High School, Calgary, AB
1992	D. Fisher, Richmond School District, Richmond, BC
	R. Nalepa, Halifax West High School, Halifax, NS
1993	M. Falk, Harry Ainlay Composite High School, Edmonton, AB
1994	R. Young, St. Patrick's High School, Sarnia, ON

Union Carbide Award for Chemical Education/ Prix Union Carbide pour l'enseignement de la chimie

Sponsored by/Parrainé par
Union Carbide Canada Limited

The Union Carbide Award recognizes a person who has made outstanding contributions in Canada in education at any level in the field of chemistry or chemical engineering.

Le Prix Union Carbide est attribué pour distinction dans le domaine de l'enseignement de la chimie ou du génie chimique, et ce à n'importe quel palier.

Josef Takats, FCIC
University of Alberta

A Pinch of Enthusiasm Goes a Long Way
8:30 Wednesday, June 1 (MR 15)

Josef Takats was born in Budapest, Hungary. He came to Canada in 1957 and attended l'Université de Montréal, where he obtained a BSc degree in 1965. He then moved to the Massachusetts Institute of Technology and completed his PhD in inorganic chemistry in 1969 under the supervision of Professor F. Albert Cotton. After one year as instructor at M.I.T. and one year as assistant professor at the University of Minnesota, in 1971 he moved to the University of Alberta where he is currently professor of chemistry.

Although it was not "love at first sight", Takats has come to enjoy all aspects of teaching chemistry; from facing 250 "eager" first year students fresh out of high school, to the demands of an upper level course in inorganic chemistry, the informality of a small graduate course in organometallic chemistry and the cosy atmosphere of his own research group meetings. His research program spans the fuzzy world of fluxional organometallic molecules, synthesis and chemistry of dimetallacyclic and cycloheptatrienyl-bridged heterobimetallic complexes and organo f-element compounds.

Recently he became interested in educating the general public about chemistry through his involvement in National Chemistry Week/Semaine nationale de la chimie and has helped to launch the high school news magazine "Discover Canadian Chemistry/Pleins feux sur la chimie".

Union Carbide Award Recipients

1961	R.P. Graham
1962	R.B. Sandin
1963	G.B. Frost
1964	C. Sivertz
1965	J.B. Phillips
1966	L.H. Cragg
1967	W.A.E. McBryde
1968	A.B. Van Cleave
1969	C. Ouellet
1970	C.A. Winkler
1971	A.N. Campbell
1972	R.L. McIntosh
1973	J.M. Holmes
1974	K.J. Laidler
1975	W.E. Harris
1976	R.J. Gillespie
1977	B.T. Newbold
1978	R.J. Thibert
1979	R.H. Tomlinson
1980	H.B. Dunford
1981	H.J. Anderson
1982	D.N. Harpp
1983	R.Y. Moir
1984	F.W. Birss
1985	J.A. Pincock
1986	G. Lange
1987	M.C.L. Gerry
1988	L. Yaffe
1989	Z. Valenta
1990	D.E. Irish
1991	D.A. Humphreys
1992	N. Bunce
1993	E.A. Dixon
1994	J. Takats

Honorary Fellows/Membres titulaires honoraires

Honorary Fellowships are awarded by The Chemical Institute of Canada in recognition of special service. There are no more than 25 living Honorary Fellows at any one time.

Les individus sont nommés membres titulaire honoraires par l'Institut de chimie du Canada en remerciement de leurs services. Il ne doit en aucun temps y avoir plus de vingt-cinq (25) membres titulaires honoraires vivants

An Honorary Fellowship certificate will be presented to Dr. Smith on Sunday, May 29, at a special luncheon for the Nobel Laureates at the Winnipeg Convention Centre.

Dr. Michael Smith, FCIC
1993 Nobel Laureate in Chemistry
University of British Columbia

Dr. Smith and U.S. scientist Kary Mullis were awarded the Nobel Prize for their contributions in the field of DNA-based chemistry. Dr. Smith developed a crucial technique used in genetic engineering known as site-directed mutagenesis.

He has been the director of the University of British Columbia biotechnology laboratory since 1987 and also heads the Network of Centres of Excellence on Protein Engineering. The Medical Research Council has supported Dr. Smith's pioneering research continuously for the past 28 years.

1986 winner of a Gairdner Foundation Award, he was born in Blackpool, England, and obtained his BSc Honours in chemistry and PhD in organic chemistry from Manchester University.

Prior to coming to Canada in 1956, Dr. Smith did graduate research with Dr. H.B. Henbest on the chemistry of steroids and cyclohexane diols. Between 1956 and 1960 while at the British Columbia Research Council, he carried out post-doctoral research with Dr. H.G. Khorana on the synthesis of nucleotide derivatives and studies on the mechanism of reactions of phosphate esters.

In the period, 1960-61, he was with the Institute for Enzyme Rsearch at the University of Wisconsin. From 1961 until 1965, he worked at the Fisheries Research Board of Canada. He joined UBC as an associate professor of biochemistry in 1966 and was named a professor in 1970. He has been an MRC Career Investigator since 1966.

Among his professional links, Dr. Smith is a Fellow of the Chemical Society of London and a member of The Chemical Institute of Canada.

Honorary Fellows

H.G. Thode
R.U. Lemieux
W.H. Gauvin
H.S. Sutherland
C.W. Bowman
L. Pauling
G. Herzberg
J.W.T. Spinks
L.W. Shemilt
R.J. Gillespie
W.H. Rapson
W.A.E. McBryde
J.C. Polanyi
M. Smith

CIC Fellows/Membres titulaires

The Fellowship of the CIC was created as a senior class of membership to recognize outstanding merit by those who have made, or who are clearly in the course of making a sustained and major contribution to the science or to the profession of chemistry, or of chemical engineering.

Pour souligner le mérite exceptionnel des particuliers qui contribuent ou ont contribué d'une manière originale et durable à l'essor des sciences chimiques ou de la profession de chimiste ou d'ingénieur chimiste, l'ICC a établi une catégorie supérieure de membre, soit celle de membre titulaire.

Fellowship certificates will be presented to the newly elected Fellows at The Chemical Institute of Canada Annual General Meeting on Monday, May 30 at the 77th Canadian Society for Chemistry Conference and Exhibition in Winnipeg, Manitoba and at the Canadian Society for Chemical Engineering Annual General Meeting on Monday, October 3 at the 44th Canadian Chemical Engineering Conference in Calgary, Alberta.

J.H. Banoub
A.D. Becke
J.M. Cooley
M.I. Boulos
J.P. Jones
M.R. Gray
T.B. Grindley
A.R. Konak
M. Lautens
R.S. McDonald
E. Mitsoulis
A. Penlidis
V.R. Puttagunta
D.W. Reeve
D.W. Stephan
M. Veljkovic
B. Webster
R.L. White
H.L. Yeager
T. Ziegler

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

Norman and Marion Bright Memorial Award/ Prix commémoratif Norman et Marion Bright

Sponsored by/Parrainé par
The Canadian Society for Chemical Technology

The Norman and Marion Bright Memorial Award is presented to an individual who has made an outstanding contribution in Canada to the furtherance of chemical technology.

Le Prix commémoratif Norman et Marion Bright est pour une contribution exceptionnelle à l'avancement de la technologie chimique.

It was twenty years ago, in November 1974, that Dr. Norman Bright and his wife Marion were murdered in their retirement home on the island of Dominica. The Chemical Institute of Canada decided to set up a trust fund in their memory. The Brights were well known in Canadian scientific circles. British-born Dr. Bright was a former Chemical Institute councilor and treasurer and served as chair of CIC industrial fund trustees from 1970 to 1973. Marion, who came from Cornwall, was with the Canadian Standards Association for many years before joining CIC as manager of membership services.

Richard Scott
formerly of Imperial Oil Products Division, Sarnia, ON

Richard Scott was born in Petrolia, Ontario in 1936. He received his secondary school diploma in general education from the Sarnia Collegiate Institute and Technology School in 1954.

Scott joined the Imperial Oil research department in 1956 as a mail boy. In 1960, after spending 3 years in the department's engine test and pilot plant laboratories, he was transferred to the department's analytical division. Here he spent the next 31 years, keying on the science of chromatography. After exposure to the various chromatographic disciplines, his interest was most keenly drawn to the gas chromatography field, in which he remained during the last 25 years of his career.

He became supervisor of the analytical department's gas chromatographic team. He held this position until retirement, being responsible for gas chromatography development projects as well as the routine daily activities. Management of the analytical laboratory's first laboratory automation and data (computer and automatic sample injector) acquisition system were added to Scott's responsibilities in the late 1960's. Over the next 20+ years, expanded usage and improved data handling software saw the successful implementation of three different automation systems.

In the late 1970's, gas chromatographic trouble-shooting and audits of Imperial refineries process control laboratories became an additional task until he reached retirement in 1991.

Bright Memorial Award Recipients

1980	R.H. Lake	1988	J.A. Thompson
1981	T.B. Kimmel	1989	M.G. Torchia
1982	W.L. Thayer	1990	T.H. West
1983	R. Faggiani	1991	A.P. Mykytiuk
1984	G. Sayer	1992	S. Elchuk
1985	W. Thurston	1993	R. Cullen
1986	J. Vandenhoff	1994	R. Scott
1987	J.R. Mackey		

Novacor Chemicals Ltd. Award for Chemistry Teaching/ Prix Novacor Chemicals Ltd. pour l'enseignement de la chimie

Sponsored by/Parrainé par Novacor Chemicals Ltd.

The Novacor Chemicals Ltd. Award for Chemistry Teaching is presented to outstanding teachers in chemistry, biochemistry, chemical engineering or chemical technology at community and technical colleges.

Parrainé par Novacor Chemicals Ltd., ce prix est attribué pour l'enseignement exceptionnel de la chimie, de la biochimie, du génie chimique ou de la technologie chimique aux collèges communautaires ou techniques.

James Barr, FCIC
Mohawk College of Applied Arts & Technology, Hamilton, ON

James Barr was born in London, England, and obtained a PhD from University College London in 1959. He has worked in industry as a research chemist at Ilford Ltd. and at the platinum metals research laboratory of Inco in Birmingham. He taught for four years in the English Technical College system, before coming to Canada as a post-Doctoral research fellow with Ronald Gillespie at McMaster University. He has publications in the fields of non-aqueous solvent chemistry, inorganic chemistry and photographic science, as well as two industrial patents.

In 1969 he joined the faculty of Mohawk College, where he is a professor in the physical sciences department. He has taught most areas of chemistry, and is presently teaching students in first year courses and analytical chemistry courses. As programs coordinator, his main responsibilities are to direct students on pathways towards success in the programs. He has authored numerous laboratory and classroom manuals, and student manuals for the Ontario Government, and developed a set of computer programs for the generation of student assignments. In the last four years, he has helped develop successful strategies for improving student retention. He has been active on the local CIC section executive, chaired the Hamilton section for one year, and helped to organize the CSC Conference in 1991. He became a fellow of the Institute in 1983. In 1991 he received the Mohawk College

President's Award of Excellence, and a NISOD Excellence Award from the University of Texas at Austin.

Married, with three children, he lives in Dundas, Ontario. Any spare time left from house and garden projects is spent on his hobbies: music, theatre, photography, and reading mysteries.

Novacor Chemicals Ltd. Award Recipients

1977	R.A. DiMenna; S. Jalil
1978	A.H. Allman; B.J. Hutchinson
1979	W.A. Mohun; M.A. Ryant
1980	D.L. Thorn; G.W. Rayner-Canham
1981	R. Palepu; G. Roy
1982	J. Schwarcz; A. Fenster
1983	I. Singh; M.L. Haggett
1984	P. Slade
1985	I. Wharf
1986	D.J. Kroeger; H. Wilson
1987	E.L. Mead; D. Campagna
1988	D. Smith; P. LeCouteur
1989	N. Hollbach; A. Fournier
1990	R.R. Perkins
1991	C. Rothwell
1992	F. Dobson
1993	M. Zander
1994	James Barr

The Canadian Society for Chemistry
La Société canadienne de chimie

The Alcan Award/Prix Alcan
Sponsored by/Parrainé par
Alcan International Limited

The Alcan Award is presented to a scientist residing in Canada who has made a distinguished contribution in the fields of inorganic or electrochemistry.

Le Prix Alcan est attribué pour une distinction dans les domaines de la chimie inorganique ou de l'électrochimie.

Tom Ziegler, MCIC
University of Calgary

Approximate Density Functional Theory: A Practical Tool in Molecular Energetics and Dynamics
13:30 Monday, May 30 (MR 2)

Tom Ziegler was raised in Denmark and graduated from the University of Copenhagen in 1972 with a Cand.Scient. degree in theoretical chemistry. He obtained his PhD from the University of Calgary in 1978 under the supervision of A. Rauk, and is currently professor at the same institution. Ziegler has been a ZWO-postdoctoral fellow (1978-1980) at the Fee University of Amsterdam and an NRC-postdoctoral fellow (1980-1981) at McMaster University. He won an NSERC University Research Fellowship (1981) which he spent at the University of Calgary.

Ziegler's research has been directed towards the development of density functional theory as a practical tool in studies on molecular energetics and kinetics. The major part of his work is concerned with the structure and reactivity of transition metal complexes and the role they play in homogeneous catalysis. Of special interest is the impact of relativity on the periodic trends within triads of transition metals.

Alcan Award Recipients

1979	R.G. Caveli	1987	T. Chivers
1980	H. Alper	1988	D.G. Tuck
1981	A.B.P. Lever	1989	P. Legzdins
1982	G. Ozin	1990	G.M. Bancroft
1983	W.R. Fawcett	1991	F. Bottomley
1984	A.J. Carty	1992	M. Fryzuk
1985	R.J. Puddephatt	1993	R.T. Oakley
1986	M.C. Baird	1994	T. Ziegler

The Alfred Bader Award in Organic Chemistry/ Prix Alfred-Bader - Chimie organique

The Alfred Bader Award is a mark of distinction and recognition of a scientist, who shall not have reached the age of 60, for excellence in organic chemistry research.

Le Prix Alfred-Bader est attribué pour une distinction dans le domaine de la recherche en chimie organique par un scientifique qui ne doit pas avoir atteint l'âge de 60 ans.

Edward Piers, FCIC
University of British Columbia

Versatile Bifunctional Reagents for Organic Synthesis: Preparation and Applications
16:30 Monday, May 30 (MR 3)

Edward Piers was born in Alberta in 1938. He acquired his BSc and PhD degrees from University of Alberta in 1959 and 1963, respectively. Following his PhD studies, which were carried out under the supervision of Professor R.K. Brown, Piers spent two years as a postdoctoral fellow in the laboratory of J.P. Kutney at UBC. In 1965, Piers became a faculty member at UBC, where he is currently professor of chemistry.

Piers' research program has consisted primarily of studies involving: (a) the discovery and development of new methods in organic synthesis; and (b) the application of these methods to the total synthesis of structurally novel, biologically active natural products. In the recent past, Piers and his research group have prepared and developed the synthetic utility of a number of new bifunctional reagents. These species, which are derived from organostannane and organogermane compounds, are particularly useful for the efficient construction of carbocyclic substances. During the course of these studies, a number of synthetically effective annulation methods were developed and these have played key roles in total syntheses of several structurally complex natural products, including crinipellin B, agelasine B, amijitrienol, 8, 15-diisocyano-11 (20)-amphilectene, and ambliol B.

Piers has held Visiting Professorships at a number of universities, including, in the last decade, UC Irvine, Western Ontario, and Sao Paulo. He has served on the Editorial Advisory Board of the Canadian Journal of Chemistry (1981-1984; 1990-1993) and as president of the Canadian Society for Chemistry (1991-92). He has been the recipient of a number of awards,

including an Alfred P. Sloan Fellowship (1970), The Chemical Institute of Canada Merck, Sharpe and Dohme Award (1979) and the UBC Killam Research Prize (1989). In 1989, Piers was elected a fellow of the Royal Society of Canada.

Bader Award Recipients

1988	S. Hanessian
1989	K.U. Ingold
1990	H. Alper
1991	P. Deslongchamps
1992	J. Bryan Jones
1993	V. Snieckus
1994	E. Piers

The Clara Benson Award/
Prix Clara-Benson

Sponsored by/Parrainé par
Canadian Council of University Chemistry Chairs (CCUCC)

This award is named after Clara Benson (1875-1964), the second woman to receive a PhD from the University of Toronto; the first woman to receive a PhD in Chemistry from the University of Toronto graduated in 1903. She did research in food chemistry, and eventually became Professor and Head of Food Chemistry at the University of Toronto where she served until her retirement in 1945. She was a founding member of The CIC, and the only woman among its founders.

The Clara Benson Award is for a distinguished contribution to chemistry by a woman.
Le Prix Clara-Benson est attribué à une femme chimiste pour une distinction dans le domaine de la chimie.

Penelope Codding, FCIC
University of Calgary

Crystallographic and Modeling Studies of Molecular Recognition and Drug Activity
8:305 Tuesday, May 31 (MR 13)

Penelope Codding earned her degrees at Michigan State University: her BSc in 1968 and her PhD in 1971 under the supervision of Professor Al Tulinsky. After postdoctoral training with Michael James in biochemistry and William Graham in chemistry at the University of Alberta from 1971-1974, she moved to Kent State University in Ohio where she held an instructor position for two years. In 1976, she moved to the University of Calgary as a research associate. After the birth of her second child, she joined the faculty in the department of chemistry in 1981 as an assistant professor and Heritage medical scholar; she is currently professor and head of chemistry.

Codding's research activities are focused on understanding molecular recognition and developing principles for the design of molecules with specific biological activity. She uses x-ray crystallography and computational chemistry to elucidate molecular properties and to establish correlations between properties and activity which guide the design of new molecules. Current investigations include studies of benzodiazepine receptor anxiolytics, excitatory amino acid anticonvulsants and antiarrhythmic drugs. Codding

has served on the National Institutes of Health (U.S.A.) biochemistry and biophysics study section, on the Medical Research Council Fellowship award committee, and as a coeditor of Acta Crystallographica; she is a member of the executive committee of the International Union of Crystallography.

Clara Benson Award Recipients

1993	V. Birss
1994	P.W. Codding

Fisher Scientific Award\Prix Fisher-Scientifique

Sponsored by/Parrainé par
Fisher Scientific Company Ltd.

The Fisher Scientific Award is for a distinguished contribution in analytical chemistry.
Le Prix Fisher-Scientifique est attribué pour une distinction dans le domaine de la chimie analytique

Michael Blades
University of British Columbia

Plasma Sources for Atomic Spectroscopy: A Fundamental Interest
11:10 Tuesday, May 31 (MR 1)

Michael Blades was born and grew up on the south shore of Nova Scotia. In 1971 he obtained a diploma in electronic engineering technology from the Nova Scotia Institute of Technology and worked for a brief period as an electronic technician at the Defence Research Establishment - Atlantic (DREA) in Dartmouth, Nova Scotia. He received his undergraduate degree from St. Mary's University in 1975, attended the University of Western Ontario as a 4th year student during 1975-1976, and completed his PhD at the University of Alberta in 1980 under the supervision of Dr. Gary Horlick. He subsequently went to Indiana University to work as a postdoctoral research associate in the laboratory of Dr. Gary Hieftje (1980-1981). He is currently a full professor in the department of chemistry at the University of British Columbia where he has been since 1981. His research interests are in the areas of plasma spectroscopy, in particular, the development and characterization of new plasma sources for trace element determinations; laser excited fluorescence spectroscopy of microdroplets; and ion-storage mass spectrometry and optical spectrometry. Blades is the recipient of the 1987 McBryde Medal of the Canadian Society for Chemistry and is currently on the editorial boards of Spectrochimica Acta and The Journal of Analytical Atomic Spectrometry (JAAS).

Fisher Award Recipients

1968	F.E. Beamish
1969	W.E. Harris
1970	R.P. Graham
1971	R.N. Jones
1972	D.E. Ryan
1973	W.A.E. McBryde
1974	G.C.B. Cave
1975	S. Barabas
1976	I. Hoffman
1977	J.L. Monkman
1978	R.E. Jervis
1979	D.S. Russell
1980	W.A. Aue
1981	C.L. Chakrabarti
1982	W.C. Purdy
1983	No award
1984	D.L. Rabenstein
1985	A. Corsini
1986	S.S. Berman
1987	G. Horlick
1988	F.W. Karasek
1989	M. Thompson
1990	B. Kratochvil
1991	No award presented
1992	F.F. Cantwell
1993	J. Hubert
1994	M.W. Blades

R.U. Lemieux Award for Organic Chemistry/Prix de chimie organique R.U. Lemieux

Sponsored by/Parrainé par
Organic Chemistry Division

The R.U. Lemieux Award recognizes a distinguished contribution in organic chemistry.
Le Prix R.U. Lemieux est attribué pour une distinction dans le domaine de la chimie organique.

Pierre Deslongchamps, FCIC
Université de Sherbrooke

Oxidation and Hydrolysis of Acetals: Geometry of Transition States and SYN and ANTI Stereoelectronic Effects
11:10 Wednesday, June 1 (MR 3)

Born in St. Lin, Québec, Deslongchamps received his BSc at the University of Montreal and his PhD from the University of New Brunswick. He is currently a professor at the Université de Sherbrooke. His has authored over 130 publications in various scientific journals.

Fundamental advancement in organic synthesis is taking place via the discovery of new reactions, new reaction conditions or through the development of new strategies of molecular construction. Deslongchamps' laboratory is mainly interested in the development of new strategies for the synthesis of complex natural and non-natural products (twistane, α-agarofuran, hinesol, occidentalol, triquinacene, α-patchoulene, vitamin E, 14-ß-OH steroids, various polycyclic and macrocyclic compounds), the two most complex natural products synthesized being ryanodol, a diterpene and erythromycin A_1 an antibiotic.

More recently, the laboratory has started two new projects whose main goal is the development of general strategies for the synthesis of various classes of polycyclic natural and non-natural compounds. The first project deals with a systematic study of the transannular Diels-Alder reaction on macrocycles and the second one consists of the development of a new anionic-based polycyclization method which was recently discovered in this laboratory. Various direct methods of macrocyclization

are also studied. The selected target molecules come from the steroids, di- and triterpene families as well as various polycyclic non-natural products.

His laboratory has made a fundamental contribution on the development of the concept of stereoelectronic effects, and this has led to the publication of a book on this topic (Stereoelectronic Effects in Organic Chemistry. Organic Chemistry Series. Vol. 1. Edited by J.E. Baldwin, Pergamon Press, Oxford, England, xi + 375 pp., 1983). Research on the importance of these effects on the conformation and molecular reactivity in organic chemistry is being pursued (intramolecular Michael reaction, transannular Diels-Alder reaction, and hydrolysis reaction of acetals).

R.U. Lemieux Award Recipients

1992	S. Wolfe
1993	T-H. Chan
1994	P. Deslongchamps

W.A.E. McBryde Medal/Médaille W.A.E. McBryde

Sponsored by/Parrainé par
Dow Chemical Canada Incorporated

The W.A.E. McBryde Medal is awarded in recognition of a significant achievement in pure or applied analytical chemistry.

La médaille W.A.E. McBryde est attribué pour une distinction à la chimie analytique pure ou appliquée.

Ulrich Krull, FCIC
University of Toronto

Investigations of Organized Monolayer Films for Development of Biosensors
8:30 Monday, May 30 (MR 1)

Ulrich Krull was born in Berlin, Germany and completed a BSc, MSc and PhD (1983, with M. Thompson) at University of Toronto. He remained at Toronto and completed a two-year appointment as a visiting assistant professor/research associate at the St. George Campus, and a one-year contractual appointment as an assistant professor at the Erindale Campus. He was appointed to a tenure-stream position at the Erindale Campus in 1986, was granted tenure in 1990, and now holds the position of associate professor of analytical chemistry.

Krull's research interests are broadly based, with a general focus on the investigation of organized organic monolayers for biosensor development. This has involved the study of lipid membranes as electrochemical and fluorescent transducers of selective binding interactions of proteins, covalent immobilization of organized molecular assemblies, as well as development of analytical techniques such as photopyroelectric spectroscopy and surface plasmon resonance microscopy for investigation of thin organic films. Recent work has led to immobilization of amphiphile/enzyme assemblies and single stranded DNA for preparation of fibre-optic biosensors. Krull has served as chair of the Toronto section and analytical chemistry division of the CIC, and is the vice-president of the Royal Canadian Institute.

McBryde Medal Recipients

1987	M.W. Blades	1991	N. Dovichi
1988	J.W. McLaren	1992	R. Clement
1989	E. Salin	1993	D.J. Harrison
1990	R.E. Sturgeon	1994	U.J. Krull

The Merck Frosst Centre for Therapeutic Research Award/ Prix du Centre de recherche thérapeutique Merck Frosst

Sponsored by/Parrainé par
Merck Frosst Centre for Therapeutic Research

The Merck Frosst Centre for Therapeutic Research Award is given for a distinguished contribution in the field of organic chemistry or biochemistry by a scientist who shall not have reached the age of 40.

Le Prix du Centre de recherche thérapeutique Merck Frosst est attribué pour une distinction dans les domaines de la chimie organique ou de la biochimie par un chercheur qui ne doit pas avoir atteint l'âge de 40 ans.

Mark Lautens, MCIC
University of Toronto

New Strategies for the Stereoselective Synthesis of Natural and Unnatural Products via Organometallic Reagents and Catalysis
8:30 Wednesday, June 1 (MR 3)

Mark Lautens was born in Hamilton, Ontario. He received an Honours BSc degree in 1981 from the University of Guelph where he was greatly influenced by Gordon Lange. He obtained a PhD from University of Wisconsin-Madison in 1985 working with Barry M. Trost as an NSERC postgraduate scholar. Following two years as an NSERC postdoctoral fellow at Harvard University with David A. Evans, he joined the faculty at University of Toronto as an NSERC university research fellow. In 1992 he was promoted to associate professor.

Lautens' research interests have focused on the development of new synthetic methods and their use in the synthesis of natural products. The control of relative and absolute stereochemistry is a central theme of the research as is the use of metals as catalysts in organic chemistry.

He is currently on the International Advisory Board of the Royal Society of Chemistry and is the editor of the JAI series Cycloadditions. He has received an Alfred P. Sloan Fellowship, a BioMega Young Investigator Award and is an Eli Lilly Research Award Grantee.

Merck Frosst Award Recipients

1955	S. Kirkwood
1956	R.U. Lemieux
1957	A.C. Neish
1958	H.G. Khorana
1959	J.F. Morgan
1960	O.E. Edwards
1961	A.S. Perlin
1962	B. Belleau
1963	P. Yates
1964	G.M. Tener
1965	L.C. Vining
1966	P. de Mayo
1967	Z. Valenta
1968	J.P. Kutney
1969	E.W. Warnhoff
1970	W.A. Ayer
1971	J.B. Stothers
1972	S. Wolfe
1973	J.W. ApSimon
1974	S. Hanessian
1975	L.D. Hall
1976	P. Deslongchamps
	J.F. King
1977	B.O. Fraser-Reid
1978	I.C.P. Smith
1979	E. Piers
1980	T. Durst
1981	C.A. Fyfe
1982	T.H. Chan
1983	R.H. Kluger
1984	L.S. Weiler
1985	D. Griller
1986	J.C. Vederas
1987	R.J. Andersen
1988	J.D. Wuest
1989	S.G. Withers
1990	O. Hindsgaul
1991	A. Weedon
1992	W. Leigh
1993	B.M. Pinto
1994	M. Lautens

The Noranda Award/Prix Noranda

Sponsored by/Parrainé par
Noranda Incorporated

The Noranda Award is presented for a distinguished contribution in the field of physical chemistry by a scientist who shall not have reached the age of 40.

Le Prix Noranda est attribué pour une distinction dans le domaine de la chimie physique par un chercheur qui ne doit pas avoir atteint l'âge de 40 ans.

Axel Dieter Becke, MCIC
Queen's University

Kohn-Sham Density-Functional Theory: The "Perfect" Molecular Orbital Formalism
11:10 Wednesday, June 1 (MR 2)

Axel Becke graduated from Queen's University with a BSc in Engineering Physics in 1975, and obtained an MSc (1977) and PhD (1981) in Theoretical Physics from McMaster University. He undertook postdoctoral work in the department of chemistry at Dalhousie University as an NSERC postdoctoral fellow from 1981 to 1983, and was awarded an E.B. Eastburn Fellowship to continue his work at Dalhousie in the year 1983-84. He returned to Queen's University in 1984 as an NSERC university research fellow in the department of chemistry, where he is now associate professor.

His research interests encompass theoretical and computational aspects of the density-functional theory of atomic and molecular structure. On the theoretical side, the development of density-functional approximations for exchange and correlation energies in multi-electron systems has been a major preoccupation for over ten years and, on the computational side, a unique molecular structure program has recently been created for molecular orbital computations without LCAO basis sets. For his efforts in these areas, he was awarded the 1991 medal of the International Academy of Quantum Molecular Science.

Noranda Award Recipients

1963	N.C. Bartlett
1964	B.E. Conway
1965	J.A. Davies
1966	R.J. Gillespie
1967	J.C. Polanyi
1968	H.C. Clark
1969	L.W. Reeves
1970	W.A.G. Graham
1971	A.G. Harrison
1972	J. Trotter
1973	T.P. Schaeffer
1974	W.R. Cullen
1975	B.R. James
1976	J.R. Bolton
1977	C.E. Brion
1978	B. Bosnich
1979	A. Vijh
1980	G.P. Johari
1981	R. Kapral
1982	R.M. Leblanc
1983	D.K. Bohme
1984	G.A. Kenney-Wallace
1985	P.W. Brumer
1986	G.N. Patey
1987	D.R. Salahub
1988	P.A. Hackett
1989	A.P. Hitchcock
1990	No award presented
1991	A. Thakkar
1992	N. Dovichi
1993	J.W. Hepburn
1994	A.D. Becke

The John C. Polanyi Award/
Prix John C. Polanyi

Sponsored by/Parrainé par
Xerox Research Centre of Canada

The John C. Polanyi Award is for excellence in research in physical and theoretical chemistry or chemical physics by a scientist who shall not have reached the age of 65.

Ce prix est attribué pour la qualité exceptionnelle de travaux de recherche dans les domaines de la chimie physique et théorique ou de la physicochimie par un scientifique qui ne doit pas avoir atteint l'âge de 65 ans.

Sigeru Huzinaga, MCIC
University of Alberta

Concept of Active Electrons in Chemistry
13:30 Tuesday, May 31 (MR 2)

S. Huzinaga obtained his DSc degree (in physics) from Kyoto University, Japan in 1959. From 1959 to 1969 he held the position of professor in physics at Kyushu University, Japan. During that time he was invited by R.S. Mulliken (1959 to 1961) to join the research group at the Laboratory of Molecular Structure and Spectra at the department of physics of University of Chicago. He spent one year (1963 to 1964) as a visiting scientist at the IBM San Jose Laboratory. In 1964 he delivered a Boomer Lecture at University of Alberta. In 1969 he was appointed as professor of chemistry at University of Alberta.

His main research interests have been in the calculation of electronic structure of molecules. He developed Gaussian basis sets for molecular calculations, a formalism on molecular integrals, an open-shell SCF method and building on his own work on the separability of many-electron systems, designed a valence-electron method for computational studies on molecules containing heavy elements.

John C. Polanyi Award Recipients

1992	J.C. Polanyi
1993	C.E. Brion
1994	S. Huzinaga

The E.W.R. Steacie Award in Chemistry/
Prix E.W.R. Steacie - Chimie

Sponsored by/Parrainé par
Sciex Inc., Division of MDS Health Group

The E.W.R. Steacie Award in Chemistry is given to a scientist for a distinguished contribution to chemistry.

Le prix E.W.R. Steacie est attribué pour une distinction dans le domaine de la chimie.

William Ayer, FCIC
University of Alberta

Application of Natural Products Chemistry to a Biological Problem
8:30 Monday, May 30 (MR 3)

Bill Ayer was born in Middle Sackville, New Brunswick in 1932. He received his BSc from University of New Brunswick in 1953 and his PhD from the same institution in 1956. After post-doctoral work with R.B. Woodward at Harvard, Ayer joined the University of Alberta in 1958 as an assistant professor. He was promoted to associate professor in 1963 and to professor in 1967. In 1992 he was appointed university professor. He has received a number of awards including The CIC Merck, Sharpe, Dohme award (1970), Fellow of The Royal Society of Canada (1978), Alberta Achievement Award (1980), and The CIC John Labatt Award (1981). He has served as an organic chemistry editor for the Canadian Journal of Chemistry for seven years (1976-1983) and as Senior Editor for five years (1983-1988). He served as vice-president of the Canadian Society for Chemistry 1987-1988 and was president of the Society in 1988-1989.

The chemistry of natural products has been the focus of his research and it has led to more than 170 publications. In the field of lycopodium alkaloids he has determined the structures of over forty new alkaloids and his group recorded one of the first total synthesis of lycopodine. His involvement with fungi began in the late 1960's when a U. of A. mycologist pointed out the antibiotic activity possessed by a newly discovered bird's nest fungus. Ayer and his group soon isolated the compounds responsible, the

cyathins, a new group of diterpenoids. In recent years he has been studying the metabolites of fungi which cause plant diseases, including the blue stain disease of pine, Scleroderris canker of pine, the silver leaf disease of fruit trees, and the American leaf spot disease of coffee. All of these led to the discovery of new types of natural products. Currently he is involved in a study directed toward the development of methods for the control of decay and staining in aspen.

E.W.R. Steacie Award Recipients

1990	I.G. Csizmadia
1991	W.A.G. Graham
1992	P. De Mayo
1993	H. Alper
1994	W. Ayer

The Syntex Award/Prix Syntex
Sponsored by/Parrainé par
Syntex Incorporated

The Syntex Award is presented for a distinguished contribution to the field of medicinal chemistry through research involving biochemical or organic chemical mechanisms.

Le Prix Syntex est attribué pour une distinction dans le domaine de la chimie thérapeutique par l'entremise de recherches portant sur les mécanismes biochimiques ou chimico-organiques.

Ronald Kluger, FCIC
University of Toronto

Anionic Electrophiles, Protein Modification, and Artificial Blood
11:10 Monday, May 30 (MR 2)

Kluger obtained his PhD with Frank Westheimer in 1970 at Harvard University, studying the hydrolysis of cyclic phosphate esters. His postdoctoral research with Robert Abeles, at Brandeis University, was on enzymic reaction mechanisms. He began his academic career at University of Chicago in 1970, receiving a Sloan Fellowship in 1973. Kluger moved to his present position in the department of chemistry at University of Toronto in 1974 where he is a professor.

His research group has worked on many projects in bio-organic mechanisms: the catalytic effects of vitamins involved in the utilization of carbon dioxide, the mechanism of catalyzed reactions in biological systems. This led to his interest in chemically-based protein modification which permits hemoglobin to be used as a blood substitute.

Kluger served as the biological chemistry division representative on the CSC's first board of directors. He received the Merck Sharp and Dohme Award (1983) and the Labatt Award (1990). In 1993, he was given University of Toronto's Dales Award for Medical Research. He is a member of the scientific advisory board of Hemosol, Inc. (a company which is developing a hemoglobin-based blood substitute), is on the editorial board of Bioorganic Chemistry, and is a participant in the Protein Engineering Network of the Networks of Centres of Excellence.

Syntex Award Recipients

1983	K.U. Ingold
1984	K. Yates
1985	E. Buncel
1986	E.G. Janzen
1987	R. Stewart
1988	A.J. Kresge
1989	J. Warkentin
1990	R.A. McClelland
1991	R.S. Brown
1992	R.C. Barclay
1993	D. Dolphin
1994	R.H. Kluger

The Canadian Society for Chemistry
La Société canadienne de chimie

Student Chapter Merit Award
Prix du mérite des sections étudiantes
Sponsored by/Parrainé par
Canadian Society for Chemistry

The Canadian Society for Chemistry Student Chapter Merit Award is presented in recognition of initiative and originality in Student Chapter programming by students studying in the field of chemistry/biochemistry. The 1994 winning Chapters, receiving a plaque or certificate and lapel pins, are **Acadia University** (Highest Award), **University of New Brunswick** (Honourable Mention) and **University of Waterloo** (Honourable Mention).

Les prix du mérite des sections étudiantes sont offerts afin de reconnaître et d'encourager l'esprit d'initiative et de créativité dans la programmation des activités des sections étudiantes dans la domaine de la chimie/biochimie. Les sections étudiantes gagnantes pour 1994, qui recevront une plaque ou certificat et des épingles de revers, sont les sections étudiantes de **l'Université Acadia** (section gagnante), **l'Université de Nouveau-Brunswick** (mention honorable) et **l'Université de Waterloo** (mention honorable).

Acadia University Student Chapter: The Acadia Chemistry Club had a busy and eventful year which began with playing host to the financially and socially successful 18th Atlantic Student Chemistry Conference entitled "Chemistry - Here and Now" from May 2-5, 1993. The fall term began with a social mixer to promote the Club. It was followed by an open house during National Chemistry Week featuring a magic show and glass blowing demonstrations. Throughout the academic year, Club members participated in social events, a display for Club Extravaganza and various intramural activities and tournaments. The Club also assisted students by compiling a list of tutors available in different areas of chemistry. Club spirit thrived by designing logos for t-shirts, shorts and coffee mugs. The year end was marked with a social. Club members made presentations at the 19th Atlantic Student Chemistry Conference at Mount Saint Vincent. A yearbook is being created by the Club so that a history of their activities will live on for years to come.

University of New Brunswick Student Chapter: The U.N.B. Chemistry Undergraduate Society had an eventful year with socials and intramural sports participation throughout the year. Curling, bowling, skiing, sliding and sleigh rides kept the group busy. The Society hosts a "Meet the Faculty

and Staff" wine and cheese and a Christmas dinner and party for the whole Department of Chemistry. Community service is also important to the Society: they hosted a Chemistry Show and tours of the Chemistry facilities and other science departments for local schools during National Chemistry Week, Society members supported Big Brothers and Big Sisters in the "Bowl for Millions" campaign and provided food to the Fredericton Soup Kitchen. Funds are raised by sale of pop and juice, safety glasses, eye shields, lab coats and manuals, and also of the very popular athletic wear sporting the U.N.B. Chemistry logo. A car wash, bake sale, 50-50 draws, raffles and dart shoots were also held. The Society hosted guest lecturers, provided funds for the New Brunswick Science Fair and participated in the Atlantic Provinces Council on the Sciences Conference held at U.N.B. last October. A small group of Society members attended the 19th Atlantic Student Chemistry Conference at Mount Saint Vincent.

University of Waterloo Student Chapter: The Chemistry Club at the University of Waterloo provides students with academic and social opportunities. A new executive is elected every four months so the Club can compensate for the Co-op program. The Chemistry Club Lounge is a focal point of activities and has an information monitor which broadcasts science news and up-coming events 24 hours a day. September featured an Open House bringing students and faculty together. The Club hosts a variety of theme parties and often partners with another science club for larger functions, such as a semi-formal held in November and a Christmas Toy Drive. The annual Club road trip during the winter took Club members and faculty to the Ontario Science Centre. The group also assists the Faculty of Science by arranging a Professional Development Day, Science Days and a Campus Day for visiting high school students and their teachers. National Chemistry Week brought visits to high schools for demonstrations and a booth display at a local mall. The Chemistry Club has also made an award-winning proposal to provide an Undergraduate Tutorial Centre and a trial period is now underway. The successful 22nd Southwestern Ontario Undergraduate Student Chemistry Conference was held at the University in March.

The Canadian Society for Chemical Technology
La Société canadienne de technologie chimique

Student Chapter Merit Award
Prix du mérite des sections étudiantes
Sponsored by/Parrainé par
Canadian Society for Chemical Technology

The Canadian Society for Chemical Technology Student Chapter Merit Award is presented in recognition of initiative and originality in Student Chapter programming by students studying in the field of chemical technology. The 1994 winning Chapter, receiving a plaque and lapel pins, is **Mohawk College of Applied Arts & Technology**.

Les prix du mérite des sections étudiantes sont offerts afin de reconnaître et d'encourager l'esprit d'initiative et de créativité dans la programmation des activités des sections étudiantes dans la domaine de la technologie chimique. La section étudiantes gagnante pour 1994, qui recevront une plaque et des épingles de revers, est la section étudiante au **Collège Mohawk**.

Mohawk College Student Chapter: The CSCT Student Chapter at Mohawk College had an exciting and active year. In the fall, the Chapter hosted the annual "Meet the Faculty" event, the annual Alumni Night were chemical technologists and technicians came back to the College to talk to students and faculty about their careers and the President of the CSCT visited the Chapter and presented a talk about the CSCT and presented the 1993 Student Chapter Merit Award. The Chapter was also a participant in the International Symposium on Chemistry and Biology of Municipal Water Treatment held in Hamilton in October.

During the winter, two Mohawk students presented papers at the annual Student Paper Night sponsored by the Hamilton Section of The Chemical Institute of Canada. The winner was Roger Archambeau, a Mohawk student. The Chapter also held its first ever technical session with the topic of Zebra Mussels.

Upcoming activities include a tour of Andrés winery and participation in a local environment improvement project.

SPONSORS

Canadian Chemistry Nobel Laureates' Symposium

Sponsored by:

Canadian National Committee for the International Union of Pure and Applied Chemistry

Canadian Society for Chemistry
Société canadienne de chimie

NRC - CNRC

Supported by:

AECL EACL

The University of Manitoba

CSC Conference and Exhibition

3M Canada Inc.
Alan Queen
AECL Research
BioChem Pharma Inc.
Border Chemical
Bruker
DuPont
Magnex
Monnex Insurance Brokers (Sunday afternoon coffee)
Novacor
Novopharm
Philip Lee (accompanying persons' program)
Pollard Banknote Ltd. (printing)
Rh Institute - Winnipeg
Rh Pharmaceuticals
Xerox Canada

DIVISIONAL SPONSORS

Natural Sciences and Engineering Research Council

Analytical

ASQC - Manitoba
Beckman Instruments
Dionex Corporation

Inorganic

Bruker Canada
Chemagnetics/Otsuka Electronic Inc.
E E and G Princeton Applied Research

Physical/Theoretical

MHRC (Symposium PH2)
Magnex
Mira Novell (Symposium PH2)
Philips (Symposium PH2)
Rh Pharmaceuticals

Surface Science

AECL Research
Electrochemical Society (Symposium PS1)
Industrial Practice Division of CSChE (Symposium SS1)
Physical Electronics Division of Perkin Elmer
(Symposium PS2 and SS1)

DIVISIONAL SPONSORS

Organic

The Organic Division of the Canadian Society for Chemistry gratefully acknowledges generous financial support for its program at the 1994 CSCCE in Winnipeg.

3M Canada Inc.
Abbott Laboratories (USA)
Apotex Inc.
Astra Pharma Inc.
Bio-Mega/Boehringer Ingleheim Research Inc.
Diagnostic Chemicals Inc.
Glaxo Canada Inc.
Imperial Tobacco Inc.
McNeil Consumer Products Company
Miles Canada Inc.
Novopharm Inc.
Pfizer Inc.
Raylo Chemicals
Supelco Canada Inc.
Torcan Canada Ltd.
Wyeth-Ayerst Reearch Inc.

The following companies provided support for the 1993 Organic Division program for the CSCCE in Sherbrooke, Quebec.

3M Canada Inc.
Abbott Laboratories (Can)
Abbott Laboratories (USA)
Apotex Inc.
Astra Pharma Inc.
Bio-Mega/Boehringer Ingleheim Chemicals Inc.
CIBA-Geigy Canada Inc.
Diagnostic Chemicals Inc.
Dow Chemical Canada
Glaxo Canada Ltd.
Merck Frosst Centre - Therapeutic Division
Miles Canada Inc.
Pfizer Inc.
Raylo Chemicals
Schering Plough Research (USA)
Syntex Inc. (USA)
Torcan Canada Inc.

Canadian Society for Chemistry
Société Canadienne de Chimie

Aide Memoire

The CSC now has ca. Can. $42000 in the Alfred Bader Fund. Alfred Bader will send Can. $8000 to the CSC via Queen's University in this calendar year. The CSC will purchase Can. $50000 face value in long term Canada provincial bonds (any province other than Quebec) to yield 8% +. Then, the Can. $4000 + income will suffice to pay the Can. $3000 award until the bonds mature.

Alfred Bader

Nov. 1993
Sometime
(preserve carefully)

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

K/25/93 Send CIC via Queen's
Can $ 8000

Aide Memoire

The CJC now has ca. Can. $ 47000 in the Alfred Bonds Fund. AB will send Can. $ 8000 to the CJC via Queen's University ~~within~~ this calendar year. The CJC will purchase Can. $ 50000 face value in the long term Canadian provincial bonds (any province other than Quebec) to yield 8% +. Then, the Can $ 4000 + income will suffice to pay the Can $ 3000 annual until the bonds mature.

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

November 9, 1994

Dr. Anne Alper
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

I am really discouraged by Professor Swaddle's letter of September 14th, copy enclosed.

I find it astounding that there were only two worthy candidates for the three Bader awards for students. I could understand this if the award were limited to one university, but it applies to all the universities across Canada. The only conclusion I can reach is that the awards were not really well advertised.

Please do your best to correct this next year.

All good wishes to you and Howard.

Sincerely,

Enclosure
c: Professor T. W. Swaddle

THE UNIVERSITY OF
CALGARY

Faculty of SCIENCE, Department of CHEMISTRY

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
U.S.A.

1994-09-14

Dear Dr. Bader:

Diane Goltz at the Chemical Institute of Canada passed your enquiry concerning the award of only two Alfred Bader Scholarships this year on to me as Chairman of the Alfred Bader Scholarships Committee.

There were two clear leaders amongst this year's candidates. There was, however, no agreement whatsoever amongst committee members as to a third place candidate — indeed, some committee members simply refused to complete their ranking beyond their first two choices. This is not to say that the unsuccessful candidates were weak, but rather that no fair third choice could be made among them.

In the circumstances, I felt that the only fair solution was to award only two scholarships this year, and the committee concurred.

Yours sincerely,

T.W. Swaddle
Professor
Director, Awards and Distinctions
The Canadian Society for Chemistry

cc: D. Goltz

2500 University Drive N.W., Calgary, Alberta, Canada, T2N 1N4
Telephone: (403) 220-5358 Facsimile: (403) 289-9488
E-mail: swaddle@acs.ucalgary.ca

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

August 1, 1994

Ms. Diane Goltz
Program Manager, Awards,
Conferences and Divisions
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario
Canada K1P 6E2

Dear Ms. Goltz:

Thank you for sending me copies of your letters of July 22nd to the two winners of the Alfred Bader Scholarships. Why did you only give two?

Best regards.

Sincerely,

Canadian Society for Chemistry
Société Canadienne de Chimie

July 22, 1994

Ms. Denise Baron
35-649 Main Street North
Airdrie, AB T4B 1Z9

Dear Ms. Baron:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1994.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great friend of Queen's University. The responsibility for the administration of these funds has been given to the University.

You will be presented with a cheque for $1000 shortly. Dr. Bader will be attending the 78th Canadian Society for Chemistry Conference taking place in Guelph, Ontario on May 28-June 1, 1995 and is looking forward to presenting a certificate to you at that time. Please let me know if you will be able to attend this conference.

I would appreciate receiving from you a short biographical sketch and a photograph (head and shoulders shot) for publicity purposes by August 15, 1994.

Please accept congratulations and best wishes for continued academic success.

Sincerely,
Diane Goltz
Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. ✓ Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Chair, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Penelope Codding, FCIC, Chair, Dept. of Chemistry, University of Calgary
Selection Committee

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

Canadian Society for Chemistry
Société Canadienne de Chimie

July 22, 1994

Madamemoiselle Karine Auclair
Apartment 203
10728 - 80 Avenue
Edmonton, AB T6E 1V8

Madamemoiselle:

J'ai le plaisir de vous informer que vous avez réussi à obtenir une bourse Alfred Bader pour l'année 1994.

Les fonds pour cette bourse sont fournis par Dr. Alfred A. Bader, un ami de Queen's University. Cette université est responsable pour l'administration de ces bourses.

Dr. Bader participera au 78e Congrès et Exposition de la Société canadienne de chimie qui aura lieu à Guelph, Ontario du 28 mai au 1e juin 1995 et il aimerais vous présenter avec un parchemin commémoratif. Veuillez m'informer si vous allez participer à ce congrès.

Vous allez recevoir bientôt un chèque pour le montant de 1 000 $.

J'aimerais recevoir d'ici peu une brève description de votre recherche ainsi qu'un photo avant le 15 août 1994 pour publication dans l'édition d'octobre de l'"Actualité chimique canadienne".

Je vous souhaite du succès avec votre recherche et je vous donne mes sincères félicitations.

Directrice des programmes,
prix, congrès et divisions

Diane Goltz

Diane Goltz

c.c. ✓ Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Directeur, Département de chimie et de génie chimique, Queen's University
Dr. J. Michel Gagnon, Directeur, Département de chimie, Université du Québec à Chicoutimi
Comité de sélection

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

Canadian Society for Chemistry
Société Canadienne de Chimie

June 17, 1994

Dr. Donald Arnold, FCIC
Department of Chemistry
Dalhousie University
Halifax, NS B3H 4J3

CONFIDENTIAL

Dear Dr. Arnold:

As President of the Canadian Society for Chemistry, I am very pleased to inform you that you have been selected as the 1995 winner of the Alfred Bader Award. This award recognizes excellence in research in organic chemistry. It consists of a scroll, a cash prize of $3000.00 and travel expenses up to a maximum of $500. It is presented through the generosity of Alfred Bader. Attached are the terms of reference for this award.

As the recipient of this award, you are asked to present a lecture on the topic of your choice at the next annual Canadian Society for Chemistry Conference and Exhibition. The next conference will be held in Guelph, Ontario, from May 28 to June 1, 1995. The deadline for abstracts is January 10, 1995. I am pleased to enclose a preliminary list of symposia for this conference.

The National Office, c/o Diane Goltz, Program Manager, Awards, would appreciate receiving a photograph and short biographical sketch by July 30, 1994 for publicity purposes and will be in touch with you again in the new year to provide you with more details regarding the award presentation. You may refer to the attached awards booklet for an example of the type of biographical information required. It would be ideal if the biography could be a maximum of one half-page. For the purposes of the April edition of "Canadian Chemical News", in which the award winners are announced, 50 words focusing on your research area will also be required.

I encourage the chief nominator, the chair of your university chemistry department, if applicable, and your local CIC Section to publicize your winning this award in university or company newsletters, local section newsletters and in local newspapers. It would be appreciated if a copy of any publicity you receive could be provided to Diane Goltz.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

May I extend to you my warmest congratulations and best wishes on winning this award.

Yours sincerely,

Alex McAuley

Alex McAuley, FCIC
President, Canadian Society for Chemistry

c.c. ✓ Dr. Alfred Bader
Dr. Russell Boyd, FCIC, Chair, Department of Chemistry, Dalhousie University
Dr. Richard Oakley, FCIC, Chair, 1995 CSC Conference
Dr. Nick Westwood, FCIC, Program Chair, 1995 CSC Conference
Dr. J.A. Pincock, FCIC, Chief Nominator
Dr. Joseph Banoub, MCIC, Chair, Atlantic CIC Local Section

Canadian Society for Chemistry
Société Canadienne de Chimie

June 17, 1994

Dr. Donald Arnold, FCIC
Department of Chemistry
Dalhousie University
Halifax, NS B3H 4J3

CONFIDENTIAL

Dear Dr. Arnold:

As President of the Canadian Society for Chemistry, I am very pleased to inform you that you have been selected as the 1995 winner of the Alfred Bader Award. This award recognizes excellence in research in organic chemistry. It consists of a scroll, a cash prize of $3000.00 and travel expenses up to a maximum of $500. It is presented through the generosity of Alfred Bader. Attached are the terms of reference for this award.

As the recipient of this award, you are asked to present a lecture on the topic of your choice at the next annual Canadian Society for Chemistry Conference and Exhibition. The next conference will be held in Guelph, Ontario, from May 28 to June 1, 1995. The deadline for abstracts is January 10, 1995. I am pleased to enclose a preliminary list of symposia for this conference.

The National Office, c/o Diane Goltz, Program Manager, Awards, would appreciate receiving a photograph and short biographical sketch by July 30, 1994 for publicity purposes and will be in touch with you again in the new year to provide you with more details regarding the award presentation. You may refer to the attached awards booklet for an example of the type of biographical information required. It would be ideal if the biography could be a maximum of one half-page. For the purposes of the April edition of "Canadian Chemical News", in which the award winners are announced, 50 words focusing on your research area will also be required.

I encourage the chief nominator, the chair of your university chemistry department, if applicable, and your local CIC Section to publicize your winning this award in university or company newsletters, local section newsletters and in local newspapers. It would be appreciated if a copy of any publicity you receive could be provided to Diane Goltz.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

May I extend to you my warmest congratulations and best wishes on winning this award.

Yours sincerely,

Alex McAuley

Alex McAuley, FCIC
President, Canadian Society for Chemistry

c.c. ✓ Dr. Alfred Bader
Dr. Russell Boyd, FCIC, Chair, Department of Chemistry, Dalhousie University
Dr. Richard Oakley, FCIC, Chair, 1995 CSC Conference
Dr. Nick Westwood, FCIC, Program Chair, 1995 CSC Conference
Dr. J.A. Pincock, FCIC, Chief Nominator
Dr. Joseph Banoub, MCIC, Chair, Atlantic CIC Local Section

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

June 6, 1994

Dr. Anne Alper
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

Thanks to your and Diane's great care, our stay in Winnipeg was so much fun, and we already look forward to the meeting in Guelph at the end of next May.

I haven't needed a CV since I joined Aldrich full time in 1954, but I hope that the enclosed rather disjointed material will serve.

Fond regards to you and Howard.

As always,

Enclosure

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA

Canada on tip free

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

May 13, 1994

Professor T. W. Swaddle
Director, Awards and Distinctions
Canadian Society for Chemistry
The University of Calgary
Department of Chemistry
2500 University Drive, N.W.
Calgary, Alberta T2N 1N4
Canada

Dear Professor Swaddle:

In response to your query of May 2nd regarding the age limitation of the Alfred Bader award, please allow me to discuss this matter with good friends within the Canadian Society of Chemistry at the meeting in Winnipeg, and I will then reply to you.

All good wishes.

Sincerely,

THE UNIVERSITY OF CALGARY

Faculty of SCIENCE
Department of CHEMISTRY

2500 University Drive N.W., Calgary, Alberta, Canada T2N 1N4

Telephone (403) 220-5341
Facsimile (403) 289-9488

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

1994-05-02

Dear Dr. Bader:

I have been instructed by the Board of Directors of the Canadian Society for Chemistry to investigate the advisability of removing age restrictions from the Society's awards. This reflects the rather disappointing response in recent years to calls for nominations for those of our awards which have age limits of 40 years or thereabouts.

There are no such problems with the Alfred Bader Lecture Award. I thought, however, that I should take my mandate very literally, and ask you whether you may now wish to remove the age limit (currently, 60 years on January 1 of the year in which the nomination becomes effective), or perhaps change it to 65 years, which would be the normal retirement age in most Canadian universities and would be the same as the current age limit on our John C. Polanyi award.

Yours sincerely,

Tom Swaddle

T. W. Swaddle
Professor
Director, Awards and Distinctions
Canadian Society for Chemistry

cc: D. Goltz

77th Iéme

Canadian Society for Chemistry Conference and Exhibition
Congrès de la Société canadienne de Chimie et Exposition

Winnipeg Convention Centre, May 29 - June 2, 1994

WINNIPEG 1994

First Name: ALFRED Last Name: BADER Title: DR

Name and Affiliation for Badge:

Address: 7961 N SHEPARD City: MILWAUKEE

Province/State: WISC Postal Code: 53211

Phone: (414) 777 0730 Fax : (414) 270 709 CIC Member ? Yes ☐ No ☒

Name for Badge of Accompanying Person: Isabel

Please indicate which Division's program(s) you plan to attend:

1. ORGANIC 2. 3.

Registration Fees: **Before May 1** **After May 1**

DR. ALFRED BADER
629 CLARKE
WESTMOUNT QUEBEC
H3Y 3E1

030

April 1 1994

PAY TO THE ORDER OF 1994 CSC Winnipeg Conference $10.00

SUM OF – Ten and xx/100 100 DOLLARS

THE BANK OF NOVA SCOTIA
1394 GREENE AVENUE,
WESTMOUNT, QUEBEC
H3Z 2C2

Alfred Bader

⑈030⑈ ⑆60251⑈002⑆ 02894⑈26⑈

[illegible] (Sunday 20:00)	complimentary		
Conference BBQ Dinner (Tuesday 17:30)	$ 35		$
→ Awards Luncheon (Wednesday 12:00)	$ 23	see letter	$
Technical Tours:			
AECL Research Lab, Pinawa (Monday all day)	$ 30		$
Royal Canadian Mint (Tuesday AM)	$ 8		$
Grain Research Laboratory (Tuesday PM)	$ 5		$
RCMP Forensic Laboratory (Wednesday AM)	$ 6		$
NRC Biodiagnostics Institute (Wednesday PM)	$ 5		$
Ancillary Events:			
Nobel Laureates' Lectures (Sunday May 29 14:00)	$ 10	✓	$ 10 —
Nobel Laureates' Lectures (High School Students)	$ 5		$
ICP-MS Workshop (Friday June 3)	$ 100		$

TOTAL (including PST & GST(No.13608027)) : $ 10 —

ADDITIONAL REGISTRATION INFORMATION : SEE OVERLEAF

Canadian Society for Chemistry
Société Canadienne de Chimie

March 10, 1994

Dr. Alfred R. Bader
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202

Dear Dr. Bader:

Many thanks for your prompt response to my fax of today. On behalf of the Canadian Society for Chemistry, I would be happy to invite you, as a sponsor of the Alfred Bader Award, and your wife Isabel, to be our guests. You will be provided with registration to the conference at no cost as well as tickets to attend the awards luncheon.

Best wishes.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

March 10, 1994

Dr. Alfred Bader
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202

Dear Dr. Bader:

In response to your letter to Anne Alper received by fax today, I am pleased to hear that you and your wife Isabel plan to attend the CSC Conference in Winnipeg.

You will have no problem registering for this conference, even though you are not a CIC member. You may register as a foreign visitor which is for non-residents of Canada who belong to a national chemical or chemical engineering socity in their own country.

I enclose, for your information, a copy of the registration form, a summary of award lectures, and the program at a glance. As you know, the awards luncheon will be held on Wednesday, June 1, 1994 from 11:30 a.m. until 1:30 p.m. A copy of the full conference program will be sent to you when it is available.

Could you please acknowledge receipt of this fax, so that I can be assured that you did indeed receive it.

I look forward to seeing you in Winnipeg. Please do hesitate to contact me should you require additional information.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

Att.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

PROGRAM AT A GLANCE/UN COUP D'OEIL SUR LE PROGRAMME

MR X indicates room locations in the Winnipeg Convention Centre

Award Lecture Session

Poster Session

		MON - LUN		TUES - MAR		WED - MER		THUR
		AM	PM	AM	PM	AM	PM	AM
	Session Code	A	B	C	D	E	F	G
AN1	Sensors for Trace Analysis	MR 1						
AN2	Workshop on Laboratory Accreditation (ISO 9000)	MR 8						
AN3	Developments in Atomic Spectroscopy			MR 1				
AN4	Analytical Separations			MR 8/18	MR 1/18	MR 1	MR 1	
AN5	Radiochemical and Mixed Wastes Analysis				MR 8	MR 8		
AN6	Hazardous Wastes Characterization							MR1
AN7	Analytical General Session						MR 8	
AN8P	Analytical Poster/Affichage		Exhibit					
BM1	Enzymes and Their Inhibition	MR 13	MR 13					
BM2	Crystallography Modelling and Drug Design			MR 13				
BM3	Biomedical General Session							MR 17
BM4P	Biomedical Poster/Affichage				Exhibit			
CE1	Chemistry and the Environment	MR 16						
CE2	Chemical Education at the Interface		MR 15					
CE3	History of Chemistry			MR 15				
CE4	Careers in Chemistry and Chemical Engineering				MR 15			
CE5	Curriculum Reform: New Directions in Content and Delivery					MR 15	MR 15	
EN1	Metals in Biological and Environmental Materials: Occurance, Interactions, Analysis		MR 16					
EN2	Fate of Organic Chemicals in Soil, Aquifers and Surface Waters			MR 16	MR 16			
EN3	Innovation in Environmental Improvement							MR 16
EN4	Environmental Chemistry General Session						MR 16	
EN5P	Environmental Chemistry Poster/Affichage		Exhibit					
IN1	Odd Electron Compounds: Main Group/Photochemistry/Reactions/Electrochemistry	MR 9	MR 9	MR 9	MR 9			
IN2	Use of Multidentate Ligands to Induce Unusual Properties in Metal Complexes					MR 9	MR 2	MR 9
IN3	Inorganic General Session					MR 13		MR 13
IN4P	Inorganic Poster/Affichage				Exhibit			
IP1	Theoretical Chemistry A: Computer Assisted Physical and Inorganic Chemistry	MR 10	MR 2	MR 10	MR 10			
IP2	Solid State NMR			MR 12	MR 12	MR 12	MR 12	MR 12
MA1	Macromolecular Science and Engineering General Session			MR 17	MR 17	MR 17		
OR1	Transition States in Organic Chemistry: Experimental & Theoretical Approaches	MR 2	MR 12					
OR2	Organosulfur Chemistry	MR 17						
OR3	Improving Selectivity in Organic Reactions		MR 3		MR 3			MR 3
OR4	Organic Photochemistry			MR 11	MR 11			
OR5	Organic Radiation and Free Radical Chemistry					MR 18		
OR6	Organic General Session I: Natural Products/Organosulfur/Synthesis/Methods	MR 3	MR 17	MR 3		MR 3	MR 11	
OR7	Organic General Session II: Organic Photochemistry/Physical Organic					MR 11		MR 11
OR8P	Organic Poster/Affichage						MR 3	
PE1	The Chemical Behaviour of Contaminants in the Geosphere/Aquifers					MR 16		
PH1	35th Anniversary of NMR Research in Manitoba	MR 11	MR 11					
PH2	Biomedical NMR Spectroscopy	MR 6		MR 6				
PH3	Application of Vibrational and Optical Spectroscopies to Biomedical Problems		MR 6					
PH4	Theoretical Chemistry B: Quantum Chemistry			MR 2	MR 2			
PH5	Theoretical Chemistry C: New Methods in Theoretical Chemistry					MR 2/10	MR 10	MR 10
PH6	Neutron Scattering in Chemistry					MR 6	MR 6	
PH7	Physical/Theoretical General Session			MR 5		MR 5	MR5	
PH8P	Physical/Theoretical and Surface Science Poster/Affichage		Exhibit					
PS1	Electrochemistry of Materials and Films	MR 7	MR 7					
PS2	Spectroscopy of Surfaces			MR 7	MR 7			
PS3	Oxide Materials - Old and New							MR 7
SP1	Science Policy Workshop on University/Industry/Government Collaboration				MR 6			
SS1	Applied Surface Science for Industry					MR 7	MR 7	

SLIDE PREPARATION/PROJECTOR ROOM = MR 14

AWARD LECTURES/ALLOCUTIONS DES LAUREATS

Summary of Award Lectures
Sommaire des allocutions des lauréats

Award/Prix	Laureate/Lauréat	Day/Jour	Time/Heure	Room/Salle
The Chemical Institute of Canada - 1994 Award Winners				
The CIC Medal/Médaille de l'ICC *The Rich Potential of Trispyraxolylborate Ligands*	W.A.G. Graham	Wednesday mercredi	13:30	MR 2
Montreal Medal *Professional Associations and the CSC*	F. W. Bachelor	Tuesday mardi	12:15	MR 13
Union Carbide *A Pinch of Enthusiasm Goes a Long Way*	J. Takats	Wednesday mercredi	08:30	MR 15
Macromolecular Science and Engineering *Stéréocomplexation des Polymères:* *Quand? Pourquoi? et Comment?*	R. Prud'homme	Tuesday mardi	15:30	MR 17
CIC Award for High School Teachers *Planning for Understanding: A Project Based Mentorship Program for the High School Curriculum*	Jo Young	Monday lundi	13:30	MR 15
MSED/Polysar Rubber Corporation (Student Paper) *The Role of Oxygen on the Photophysical and Semiconducting Properties of Poly(3-alkylthiophenes)*	M.S.A. Abdou	Tuesday mardi	10:50	MR 17
Canadian Society for Chemistry - 1994 Award Winners				
Alcan *Approximate Density Functional Theory:* *A Practical Tool in Molecular Energetics and Dynamics*	T. Ziegler	Monday lundi	13:30	MR 2
Alfred Bader *Versatile Bifunctional Reagents for Organic Synthesis:* *Preparation and Applications*	E. Piers	Monday lundi	16:30	MR 3
Clara Benson (CCUCC) *Crystallographic and Modeling Studies of* *Molecular Recognition and Drug Activity*	P. Codding	Tuesday mardi	08:30	MR 13
Fisher Scientific *Plasma Sources for Atomic Spectroscopy:* *A Fundamental Interest*	M.W. Blades	Tuesday mardi	11:10	MR 1
R.U. Lemieux *Oxidation and Hydrolysis of Acetals: Geometry of Transition States and SYN and ANTI Stereoelectronic Effects*	P. Deslongchamps	Wednesday mercredi	11:10	MR 3
McBryde Medal *Investigations of Organized Monolayer Films for Development of Biosensors*	U. Krull	Monday lundi	08:30	MR 1
Merck Frosst Centre for Therapeutic Research *New Strategies for the Stereoselective Synthesis of Natural and Unnatural Products via Organometallic Reagents and Catalysts*	M. Lautens	Wednesday mercredi	08:30	MR 3
Noranda *Kohn-Sham Density-Funtional Theory:* *The "Perfect" Molecular Orbital Formalism*	A. Becke	Wednesday mercredi	11:10	MR 2
John C. Polanyi *Concept of Active Electrons in Chemistry*	S. Huzinaga	Tuesday mardi	13:30	MR 2
E.W.R. Steacie *Application of Natural Products Chemistry to a Biological Problem*	W. A. Ayer	Monday lundi	08:30	MR 3
Syntex *Anionic Electrophiles, Protein Modification, and Artificial Blood*	R.H. Kluger	Monday lundi	11:10	MR 2

WINNIPEG 1994

77th / 1éme

Canadian Society for Chemistry Conference and Exhibition
Congrès de la Société canadienne de Chimie et Exposition

Winnipeg Convention Centre, Mai 29 - Juin 2, 1994

Prénom: _____ Nom de famille: _____ Titre: _____

Nom et affiliation pour votre insigne: _____

Adresse: _____ Ville: _____

Prov./État: _____ Code postal: _____

Téléphone: _____ Télécopieur: _____ Membre de l'ICC: Oui ☐ Non ☐

Nom pour l'insigne du conjoint: _____

Veuillez indiquer à quel(s) symposium(a) vous prévoyez assister:

1. _____ 2. _____ 3. _____

Frais d'inscription:	**Avant le 1er mai**	**Après le 1er mai**	
Membre de l'ICC	$ 230	$ 300	$ _____
Non-membre	$ 380	$ 445	$ _____
Visiteur étanger	$ 230	$ 300	$ _____
Une journée (membre)	$ 100	$ 120	$ _____
Une journée (non-membre)	$ 170	$ 200	$ _____
Étudiant (membre)	$ 45	$ 55	$ _____
Étudiant (non-membre)	$ 65	$ 75	$ _____
Membre retraité ICC	n/c	n/c	
Membre affilié - Éducation en chimie	$ 25	$ 55	$ _____
Exposition seulement	n/a	$ 15	$ _____
Conjoint	$ 40	$ 40	$ _____
Activités sociales:	**Coût**	**No. de billets**	
Réception (dimanche 20h00)	compris		
Barbecue et Événement social (mardi 17h30)	$ 35	_____	$ _____
Déjeuner pour les Lauréats (mercredi 12h00)	$ 23	_____	$ _____
Visites techniques:			
Laboratoire de recherches EACL, Pinawa (lundi)	$ 30	_____	$ _____
Monnaie royale canadienne (mardi AM)	$ 8	_____	$ _____
Laboratoire de recherches sur les grains (mardi PM)	$ 5	_____	$ _____
Laboratoire judiciaire de la GRC (mercredi AM)	$ 6	_____	$ _____
Institut du biodiagnostic du CNRC (mercredi PM)	$ 5	_____	$ _____
Événements supplémentaires:			
Discours - Récipiendaires du prix Nobel de Chimie (le dimanche 29 mai 14h00)	$ 10	_____	$ _____
Discours - Récipiendaires du prix Nobel de Chimie (taux étudiant - Ecole secondaire)	$ 5	_____	$ _____
Atelier - ICP-MS (le vendredi 3 juin)	$ 100	_____	$ _____
TOTAL (TPS & TVP incluses (No.13608027)) :			$ _____

POUR DE PLUS AMPLES RESEIGNEMENTS SUR L'INSCRIPTION, VOIR AU VERSO

CRITERES DE PAIEMENT

Veuillez faire parvenir ce formulaire rempli et votre chèque ou mandat-poste (en dollars canadiens) libellé au "1994 CSC Winnipeg Conference" au:

CSC Winnipeg Conference Registrar
Department of Chemistry, University of Manitoba
Winnipeg, MB R3T 2N2

Pour de plus amples renseignements sur l'inscription, veuillez communiquer par téléphone au (204) 474 7042 ou par télécopieur au (204)(275 0905).

Les chèques post-datés ainsi que les cartes de crédit seront REFUSÉS. Les reçus pour l'inscription, ainsi que les billets pour les activités sociales, les visites techniques et les événements supplémentaires seront disponibles au congrès. Les frais d'inscription sont remboursables au complet, sur demande écrite, jusqu'au 1er mai. Entre le 1er et le 15 mai, 85% du prix de l'inscription pourra être remboursé. Aucun remboursement n'est possible après le 15 mai 1994.

MODALITÉS D'INSCRIPTION

Visiteur étranger Personne qui ne réside pas au Canada, mais qui est membre, dans son pays, d'une association nationale de chimie ou de génie chimique.

Non-membre Un non-membre désirant adhérer à l'ICC doit joindre un chèque SUPPLÉMENTAIRE au montant de 123.05$ (21.40$ pour les étudiants) libellé à "l'Institut de Chimie du Canada". Ceci permet de s'inscrire à titre de membre. L'adhésion et les avantages dévolus aux membres seront effectifs sur retour du formulaire dûment rempli que l'ICC vous aura fait parvenir.

Étudiant Candidat dûment inscrit à un programme d'études reconnu par l'ICC ou la SCTC (étudiants sous-gradués ou gradués).

Membre affilié - Éducation en chimie Les enseignants des écoles secondaires qui désirent participer au congrès sont priés de s'inscrire comme membres affiliés de la Division de l'Éducation en chimie sur place ou en écrivant au: Dr. G. Hickling, Department of Chemistry, University of Manitoba, Winnipeg R3T 2N2.

VISITES TECHNIQUES

Toutes les visites techniques partent de l'entrée principale du Centre des congrès de Winnipeg.

Laboratoires de Whiteshell de EACL Recherche le lundi 30 mai, 8h00 (toute la journée). Les Laboratoires de Whiteshell de EACL Recherche sont situés à Pinawa, Manitoba, environ 100 Km au Nord-Est de Winnipeg. Le Laboratoire de recherches souterrain sera le point saillant de cette visite. Le Laboratoire de recherches souterrain est un centre de recherches important du Programme canadien de gestion des déchets nucléaires. Le déjeuner sera à vendre à la cafétéria du EACL. Le retour à Winnipeg est prévu pour 17h00.

Monnaie royale canadienne le mardi, 31 mai, 8h30 (matin seulement). La Monnaie royale canadienne de Winnipeg est considérée comme étant l'une des plus modernes au monde. Elle se spécialise dans la circulation de monnaie canadienne ainsi que de la monnaie d'une multitude de pays. Elle fabrique aussi des jetons et des dollars de commerce. L'édifice est construit de façon à donner aux visiteurs l'occasion d'observer les différentes étapes de la fabrication des pièces.

Laboratoire de recherches sur les grains, La Commission canadienne des grains le mardi 31 mai, 13h00-15h30. Le Laboratoire de recherches sur les grains est reconnu mondialement pour sa recherche sur les céréales, les huiles et les légumes. Une collation céréale et du café seront servis.

Laboratoire judiciaire de la GRC le mercredi 1er juin, 8h30 (matin seulement). Ce laboratoire aide aux cours en présentant un témoignage expert provenant de l'analyse, de la vérification et de l'interprétation des détails et des circonstances que révèlent les preuves physiques.

Institut du biodiagnostic du CNRC le mercredi, 1er juin, 13h30 (après-midi seulement). L'Institut est une ressource dans les domaines de la recherche et du développement pour les compagnies pharmaceutiques, les fabricants des instruments diagnostiques, les cliniciens, les chercheurs et les hôpitaux. Les techniques de l'imagerie de résonance magnétique et la recherche dans les domaines de la spectroscopie infrarouge et de l'informatique seront soulignés.

ÉVÉNEMENTS SUPPLÉMENTAIRES

Atelier sur l'ICP-MS le vendredi 3 juin. Instructeurs: Dr. Gary Horlick et Dr. Jim McLaren.

Discours - Récipiendaires du prix Nobel de Chimie - le dimanche 29 mai, 14h00. Des discours par trois lauréats du prix Nobel de Chimie avec une affiliation canadienne. Les participants seront Professeur Rudy Marcus de Caltech, Professeur John Polanyi de l'Université de Toronto et le plus récent lauréat canadien du prix Nobel, Professeur Michael Smith de l'Université de la Colombie Britannique.

WINNIPEG 1994

77th / 1ème

Canadian Society for Chemistry Conference and Exhibition
Congrès de la Société canadienne de Chimie et Exposition

Winnipeg Convention Centre, May 29 - June 2, 1994

First Name: _____ Last Name: _____ Title: _____

Name and Affiliation for Badge: _____

Address: _____ City: _____

Province/State: _____ Postal Code: _____

Phone: _____ Fax : _____ CIC Member ? Yes ☐ No ☐

Name for Badge of Accompanying Person: _____

Please indicate which Division's program(s) you plan to attend:

1. _____ 2. _____ 3. _____

Registration Fees:	**Before May 1**	**After May 1**	
CIC Member	$ 230	$ 300	$ _____
Non-Member	$ 380	$ 445	$ _____
Foreign Visitor	$ 230	$ 300	$ _____
One Day (Member)	$ 100	$ 120	$ _____
One Day (Non-Member)	$ 170	$ 200	$ _____
Student (Member)	$ 45	$ 55	$ _____
Student (Non-Member)	$ 65	$ 75	$ _____
Retired CIC Member	n/c	n/c	
Chemical Education Affiliates (Monday only)	$ 25	$ 55	$ _____
Exhibition Only	n/a	$ 15	$ _____
Accompanying Person	$ 40	$ 40	$ _____
Social Events:	**Cost**	**No. Tickets**	
Opening Mixer (Sunday 20:00)	complimentary		
Conference BBQ Dinner (Tuesday 17:30)	$ 35	_____	$ _____
Awards Luncheon (Wednesday 12:00)	$ 23	_____	$ _____
Technical Tours:			
AECL Research Lab, Pinawa (Monday all day)	$ 30	_____	$ _____
Royal Canadian Mint (Tuesday AM)	$ 8	_____	$ _____
Grain Research Laboratory (Tuesday PM)	$ 5	_____	$ _____
RCMP Forensic Laboratory (Wednesday AM)	$ 6	_____	$ _____
NRC Biodiagnostics Institute (Wednesday PM)	$ 5	_____	$ _____
Ancillary Events:			
Nobel Laureates' Lectures (Sunday May 29 14:00)	$ 10	_____	$ _____
Nobel Laureates' Lectures (High School Students)	$ 5	_____	$ _____
ICP-MS Workshop (Friday June 3)	$ 100	_____	$ _____

TOTAL (including PST & GST(No.13608027)) : $ _____

ADDITIONAL REGISTRATION INFORMATION : SEE OVERLEAF

REMITTANCE

Please return this form with your remittance (cheque or money order in Canadian dollars) made payable to "1994 CSC Winnipeg Conference" and addressed to:

CSC Winnipeg Conference Registrar
Department of Chemistry
University of Manitoba
Winnipeg MB R3T 2N2

For registration information call (204) 474 7042 or Fax (204) (275 0905)

Postdated cheques and credit cards CANNOT be accepted. Receipts will be available at the registration desk on arrival, along with tickets for social events, technical tours and ancillary events. The registration fee will be refunded in full for cancellations received in writing before May 1, 1994; requests between May 1 and May 15 will be refunded at 85%. No refunds will be made after May 15, 1994 or for non-attendance.

REGISTRATION CATEGORIES

Foreign Visitor A non-resident of Canada who belongs to a national chemical or chemical engineering society in their own country.

Non-Member A non-member wishing to join the CIC should enclose a SEPARATE cheque for $ 123.05($ 21.40 for students) made payable to "CIC". This allows you to register at the member rate, but membership and other member benefits are conditional on completion of the application form forwarded to you by the CIC National Office.

Student A duly registered (undergraduate or graduate) candidate for a degree or diploma in a course accredited by the CSC or CSCT.

Chemical Education Affiliate Member High School Teachers wishing to attend the conference must register as Chemical Education Affiliates on site or by writing to:

Dr. G. Hickling, Department of Chemistry, University of Manitoba, Winnipeg R3T 2N2

TECHNICAL TOURS

All Technical Tours depart from the front door of the Winnipeg Convention Centre.

AECL Research, Whiteshell Laboratories Monday, May 30 8:00 (all day). The Whiteshell Laboratories of AECL Research are located in Pinawa, Manitoba, approximately 100 km northeast of Winnipeg. The Underground Research Laboratory will be the focus of the tour. The Underground Laboratory is a major research facility of the Canadian Nuclear Waste Management Program. Lunch can be purchased at the AECL cafeteria. The tour will return to Winnipeg at approximately 17:00.

Royal Canadian Mint Tuesday, May 31 8:30 (morning only). The Winnipeg plant is considered to be one of the world's most modern mints. It specializes in striking all circulating coins for Canada and many foreign countries, as well as tokens and trading dollars. The building is designed to give visitors an opportunity to observe the minting of coins in progress.

Grain Research Laboratory, Canadian Grain Commission Tuesday, May 31 13:00-15:30. The Grain Research Laboratory is world renowned for its research on end-use quality characteristics of cereals, oilseeds and legumes. Coffee and a "cereal treat" will be provided.

RCMP Forensic Laboratory Wednesday, June 1 8:30 (all morning). The Laboratory assists the courts by presenting expert evidence testimony resulting from analysis, examination or interpretation of facts and circumstances revealed by physical evidence.

National Research Council, Institute for Biodiagnostics Wednesday, June 1 13:30(afternoon only). The Institute is a research and development resource for pharmaceutical companies, diagnostic instrument manufacturers, clinicians, researchers and hospitals. Techniques highlighted on this tour: Magnetic Resonance Imaging, Infrared and Computational Research.

ANCILLIARY EVENTS

ICP-MS Professional Development Workshop Friday, June 3. Instructors: Dr. Gary Horlick and Dr. Jim McLaren.

Nobel Laureates' Lectures Sunday, May 29 14:00. Talks by three Nobel Laureates with Canadian connections. Speakers are Professor Rudy Marcus from Caltech, Professor John Polanyi from the University of Toronto and the most recent Canadian Nobel Laureate, Professor Michael Smith of the University of British Columbia.

Canadian Society for Chemistry
Société Canadienne de Chimie

April 19, 1994

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

Re: Alfred Bader Lecture Award

I am pleased to provide you with information regarding the awards luncheon and president's reception taking place during the 77th Canadian Society for Chemistry Conference and Exhibition on Wednesday, June 1 at the Winnipeg Convention Centre. I would like to take this opportunity to thank you for your continued support.

The Chemical Institute of Canada and its constituent societies are honoured to invite you and a guest, to the President's reception, a special reception for award winners, sponsors, accompanying persons and Society officers, which will take place at 11:00 in the VIP Lounge at the Winnipeg Convention Centre. During this reception, you will be introduced to the Alfred Bader Lecture Award winner, Dr. Edward Piers. Formal photographs will be taken and a luncheon seating arrangement will be available for reference.

At 11:55, we will proceed into MR4 for the awards luncheon. Lunch will commence at 12:05 and Dr. Norman Sagert, Conference Chair and the Master of Ceremonies, will welcome everyone to the luncheon. As dessert and coffee are being served, the award presentations will begin. The CIC awards will be presented first followed by the CSCT and CSC awards. The CIC President will introduce in turn each CIC award winner and sponsor and the presentation by the sponsor representative will be made; subsequently, the CSCT President will do the same for the CSCT awards and finally the presentation of the CSC awards will take place in a similar manner.

As the Alfred Bader Lecture Award is announced, you are kindly asked to come forward to present it to Dr. Edward Piers. A photographer will take pictures of this presentation and you would then return to your table. Unfortunately, due to limited time, award winners and sponsor representatives will not have the opportunity to speak.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

A list of hotels can be found in the enclosed conference program on page 70.

The awards luncheon tickets and badges will be provided to you at the conference information desk located at the Box Office. Please ask for me.

Please let me know whether or not you will require a special meal. Please do not hesitate to call me if you require additional information.

Yours sincerely,

Diane Goltz

Diane Goltz
Program Manager,
Awards, Conferences
and Divisions

Att.

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2
TELEPHONE (613) 232-6252 FAX: (613) 232-5862

March 30, 1994

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
53211
U.S.A.

Dear Alfred:

Thank you for your recent letters. I was delighted to learn that you and Isabel plan to come to Winnipeg to present the 1994 Bader Award.

I am spending the period from February to May in London while Howard is on sabbatical there and have just returned to the office for a week. Diane Goltz will send you a copy of the conference program as soon as it is available in early April. Closer to the time of the conference, she will send you details about the Awards Luncheon and presentations. I hope that you will be able to attend all or part of the conference, especially the Alfred Bader Award Lecture by Ed Piers which is scheduled for Monday, May 30 at 4:30 p.m. Please let us know when you plan to arrive and when you must leave for Toronto.

I look forward to seeing you and Isabel in Winnipeg.

Sincerely yours,

Anne Alper

A.E. Alper, MCIC
Executive Director

AA/ra

cc. D. Goltz

FAX FROM

DR. ALFRED R. BADER
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone 414-277-0730
Fax No. 414-277-0709

To: Ms Diane Koltz

Many thanks for your fax of to-day. I sorbet & I look forward to being with you in Winnipeg.

You know from my discussions with Dr Alger last October, I am careful with money. May I attend as a retired chemist (age over 70), member of ACS, at no charge, or will I have to pay $230 as a foreign visitor?

Best wishes and regards, also to Dr. Alger

Alfred Bader

March 10 97.

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

March 9, 1994

Via Fax 613 232 5862

Dr. Anne Alper
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

Believe it or not--I have never personally presented the Bader Award in Canada and feel that it is about time that I did. Hence, Isabel and I plan to come to Winnipeg and then go on to Toronto and back home.

But, it occurred to me that I might have difficulties attending your meetings simply because I am not a member of the CIC! Is there a reciprocal arrangement between the CIC and the ACS, of which I have been a member for 46 years.

Please do let me know, and also send me a copy of the program.

All good wishes to you and Howard.

Sincerely,

Kind regards

Alfred

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

March 9, 1994

Dr. Anne Alper
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

Believe it or not--I have never personally presented the Bader Award in Canada and feel that it is about time that I did. Hence, Isabel and I plan to come to Winnipeg and then go on to Toronto and back home.

But, it occurred to me that I might have difficulties attending your meetings simply because I am not a member of the CIC! Is there a reciprocal arrangement between the CIC and the ACS, of which I have been a member for 46 years.

Please do let me know, and also send me a copy of the program.

All good wishes to you and Howard.

Sincerely,

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2
TELEPHONE (613) 232-6252 FAX: (613) 232-5862

2 March 1994

From: Jacqueline Estabrooks, CIC Accountant

To:
Alfred Bader, Donor of Alfred Bader Endowment

Please find enclosed 1993 Financial Statements as follows:

Comments:

for your records

MC CAY, DUFF & COMPANY

CHARTERED ACCOUNTANTS

JOHN W. FRANKLIN, C.A.
THOMAS W. HOWARTH, C.A.
BRYAN E. SULLIVAN, C.A
ALBERT G. MONSOUR, B.ADMIN., C.A.
BLAIR E. DAVIDSON, B.COMM., C.A.
G. WARREN TRICKEY, B.COMM., C.A.
ROBERT D. SHANTZ, B.MATH., C.A.

CONSULTANT - ELDREN E. McCONNELL, C.A.

330 McLEOD ST.
OTTAWA, ONT.
K2P 2C5
(613) 236-2367
1 (800) 267-6551
FAX: 236-5041

AUDITORS' REPORT

To the C.S.C. Treasurer
Alfred Bader Award Fund.

We have audited the balance sheet of the Alfred Bader Award Fund as at December 31, 1993. This financial statement is the responsibility of the Fund's management. Our responsibility is to express an opinion on this financial statement based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statement is free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statement. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, this financial statement presents fairly, in all material respects, the financial position of the Fund as at December 31, 1993 in accordance with generally accepted accounting principles.

McCay, Duff & Co.
Chartered Accountants.

Ottawa, Ontario,
January 27, 1994.

THE CANADIAN SOCIETY FOR CHEMISTRY

ALFRED BADER AWARD FUND

BALANCE SHEET

AS AT DECEMBER 31, 1993

ASSETS	1993	1992
Accrued interest receivable	$ 689	$ 568
Deposit certificates	19,344	38,688
Due from The Chemical Institute of Canada	-	3,527
	20,033	42,783
Bond (note 2)	48,375	-
	$68,408	$42,783
LIABILITY		
Due to The Chemical Institute of Canada	$19,905	$ -
EQUITY		
BALANCE - BEGINNING OF YEAR	42,783	43,657
Interest on investments	1,622	3,025
Donation	8,000	-
	52,405	46,682
Expenses - administration	250	250
- award	3,000	3,000
- framed scroll	152	151
- travel	500	498
	3,902	3,899
BALANCE - END OF YEAR	48,503	42,783
	$68,408	$42,783

NOTES TO FINANCIAL STATEMENT

DECEMBER 31, 1993

1. SIGNIFICANT ACCOUNTING POLICY

Accrual Basis of Accounting

Revenue and expenses are recorded on the accrual basis, whereby they are reflected in the accounts in the period in which they have been earned and incurred respectively, whether or not such transactions have been finally settled by the receipt or payment of money.

2. BOND

The bond is stated at cost plus a premium which is amortized over the term of the bond.

Approved by:

_____

Treasurer

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

February 25, 1994

Professor Alan Shaver, Chair
Department of Chemistry
McGill University
801 Sherbrooke Street West
Montreal, Quebec H3A 2K6
Canada

Dear Alan:

How often does it happen to you that you see two different photographs of a good friend on the same day? That happened to me yesterday when I received the beautiful photograph which reminded me of my talks at McGill, and also saw your photograph with Barry Posner with the article on your important work on vanadium compounds in the February 21st issue of the C & E News.

Congratulations--excellent work!

Perhaps you know that I have been trying to do exactly what you suggested, to support graduate students, but at my own alma mater, Queen's University, and through the C.I.C.

I will be happy to discuss this with you. Will you, per chance, be at the C.I.C. meeting in Winnipeg, which Isabel and I plan to attend.

Sincerely,

Canadian Society for Chemistry
Société Canadienne de Chimie

January 19, 1994

Dr. Alfred R. Bader
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202

Dear Dr. Bader:

In response to your note to Anne Alper received by fax today, I wish to inform you that an awards luncheon is being planned on Wednesday, June 1, 1994 from 11:30 until 1:30 p.m.

May I also point out that there will be a Nobel Laureates' lecture series taking place on Sunday, May 29, at which Drs. John Polanyi, Rudolf Marcus and most recent Nobel Prize Winner, Michael Smith, will be participating. This will be held from 2:30 until 5:00 p.m. approximately. This will be followed by an opening reception at 7:00 p.m. I attach a copy of the preliminary program at a glance of the rest of the conference for your information. This program information will be finalized in mid-February.

Anne sends you her best wishes. Please do not hesitate to contact us should you require additional information.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Conferences,
Awards and Divisions

Att.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

FAX FROM

DR. ALFRED R. BADER
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone 414-277-0730
Fax No. 414-277-0709

January 19, 1994

To: Dr. Anne Alper
Executive Director
Canadian Society for Chemistry 613 232 5862

Dear Anne:

Isabel and I have never attended the CIC annual meeting, and it's about time that we try to do so. I understand that it will be in Winnipeg the week beginning on Monday, May 30th. I don't think that we can be there all week, but I would like to be there at least on the day and evening of the award dinner so that I can present the Bader Award.

Could you please let me know which evening that will be.

Many thanks for your help, and best regards to you and Howard.

As always,

The University of Melbourne

School of Chemistry

1993-11-12

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
U.S.A.

Dear Dr. Bader:

I have learned from The Chemical Institute of Canada National Office that you have most generously donated a further $8,000 to the capital of the Alfred Bader Award fund, and that the Canadian Society for Chemistry is to purchase long-term Canadian provincial 8.0% bonds to guarantee the proper funding of the Alfred Bader Award in Organic Chemistry for many years to come.

I am writing on behalf of the CSC to thank you most sincerely for your kindness in helping us rectify the present unfortunate situation. It is not clear to me why long-term 10% bonds were not purchased according to your recommendation in the first place -- as you know, the Society's officers are rotated at rather short intervals, and we come in with little knowledge of what has gone before. At least, we have learned from this episode, and can take steps to ensure that future officers do not make the same mistake.

With best wishes and, again, many thanks,

Yours sincerely,

T. W. Swaddle
Director, Awards and Distinctions, CSC
Professor of Chemistry, The University of Calgary
Visiting Scholar, The University of Melbourne

c: Dr. Anne Alper

The University of Melbourne, Parkville, Victoria 3052. Telephone 03 (+61 3) 344 4000. Telex AA35185. Cables UNIMELB.

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2
TELEPHONE (613) 232-6252 FAX: (613) 232-5862

2 Dec. 1993

Dr. Grace Jung MCIC
Bio Mega Inc.,
2100 Cunard St.,
Chomedey, Quebec
H7S 2G5

Re: Alfred Bader Award

Dear Dr. Jung,

As discussed, Alfred Bader has very generously contributed a further $8000.00 to the existing fund. He directed us to purchase a provincial bond using the total amount in the fund.

Amount presently held (certificates and cash)	$48778.89
Interest due October 1994	1257.35
Amount available for investment	$50036.24

$49339.11 was spent to purchase a Province of British Columbia bond (maturing August 2013) with a face value of $45000.00 and a coupon rate of 8.5%. This left $697.13 in the account.

The bond will generate $3825.00 revenue each year. Approximately $3900.00 is required to cover the award and expenses. The small shortfall will be covered by the $697.13 for 8 - 9 years. Please confirm that the CSC will pick up the difference for the balance of the period.

Yours truly,

Jacqueline Estabrooks
Accountant/Manager Membership Services

c.c. Alfred Bader

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2
TELEPHONE (613) 232-6252 FAX: (613) 232-5862

15 November 1993

Thomas B. Thayer
Director Financial Services
Queens University
Kingston, Canada
K7L 3N6

Dear Mr. Thayer,

This will acknowledge the most generous gift of $8000.00. The money will be used to enhance the Alfred Bader Fund as directed.

The proceeds from this fund are used to support the Alfred Bader Award.

Thank you again.

Yours truly,

Jacqueline Estabrooks

CIC Accountant

c.c. Alfred Bader

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2
TELEPHONE (613) 232-6252 FAX: (613) 232-5862

THE CHEMICAL INSTITUTE OF CANADA - 1994 AWARD WINNERS

THE CHEMICAL INSTITUTE OF CANADA MEDAL

Dr. W.A.G. Graham, FCIC
Department of Chemistry
University of Alberta
Edmonton, AB T6G 2G2

Tel: 403-492-3255
Fax: 403-492-8231

THE MONTREAL MEDAL

Dr. Frank W. Bachelor, FCIC
415 Wildwood Drive SW
Calgary, AB T3C 3E4

Tel: 403-252-0508
Fax: 403-253-7072

UNION CARBIDE AWARD

Dr. Josef Takats, FCIC
Department of Chemistry
University of Alberta
Edmonton, AB T6G 2G2

Tel: 403-492-4944
Fax: 403-492-8231

Canadian Society for Chemistry
Société Canadienne de Chimie

CANADIAN SOCIETY FOR CHEMISTRY - 1994 AWARD WINNERS

ALCAN AWARD

Dr. Tom Ziegler, MCIC
Department of Chemistry
University of Calgary
Calgary, AB T2N 1N4

Tel: 403-220-5370
Fax: 403-289-9488

ALFRED BADER AWARD

Dr. Edward Piers, FCIC
Department of Chemistry
University of British Columbia
2036 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-3219
Fax: 604-822-2847

CLARA BENSON AWARD

Dr. Penelope W. Codding, FCIC
Department of Chemistry
University of Calgary
Calgary, AB T2N 1N4

Tel: 403-220-7549
Fax: 403-289-9488

FISHER SCIENTIFIC AWARD

Dr. Michael W. Blades
Department of Chemistry
University of British Columbia
2036 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-3266

R.U. LEMIEUX AWARD

Dr. Pierre Deslongchamps, FCIC
Département de chimie
Université de Sherbrooke
Sherbrooke, QC J1K 2R1

Tel: 819-821-7002
Fax: 819-821-7910

McBRYDE MEDAL

Dr. Ulrich J. Krull, FCIC
Department of Chemistry
University of Toronto
3359 Mississauga Road North
Mississauga, ON L5L 1C6

Tel: 416-978-3582

MERCK FROSST CENTRE FOR THERAPEUTIC RESEARCH AWARD

Dr. Mark Lautens, MCIC
Department of Chemistry
University of Toronto
80 St. George St.
Toronto, ON M5S 1A1

Tel: 416-978-6083

NORANDA AWARD

Dr. Axel Dieter Becke, MCIC
Department of Chemistry
Queen's University
Kingston, ON K7L 3N6

Tel: 613-545-2634
Fax: 613-545-6669

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

JOHN C. POLANYI AWARD

Dr. S. Huzinaga, MCIC
Department of Chemistry
University of Alberta
Edmonton, AB T6G 2G2

Tel: 403-492-5309

E.W.R. STEACIE AWARD

Dr. William A. Ayer, FCIC
Department of Chemistry
University of Alberta
Edmonton, AB T6G 2G2

Tel: 403-492-5476
Fax: 403-492-8231

SYNTEX AWARD

Dr. Ronald H. Kluger, FCIC
Department of Chemistry
University of Toronto
Toronto, ON M5S 1A1

Tel: 416-978-3582

1993 AWARDS/PRIX

Presented at/Présentés au

76th Canadian Society for Chemistry Conference and Exhibition
76e Congrès et exposition de la Société canadienne de chimie

Sherbrooke, Québec - May 30 mai - June 3 juin, 1993

ACKNOWLEDGEMENT

The Organizing Committee is pleased to acknowledge the contribution of

BioChem Thérapeutique

in support of this awards banquet.

REMERCIEMENT

Le Comité organisateur remercie la compagnie

BioChem Thérapeutique

pour sa contribution au banquet des lauréats.

Table of Contents/Table des matières

The Chemical Institute of Canada/ L'Institut de chimie du Canada

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

The Canadian Society for Chemistry/ La Société canadienne de chimie

The Chemical Institute of Canada/ L'Institut de chimie du Canada

The CIC Medal/La Médaille de l'ICC

Sponsored by/Parrainé par
INCO Limited

The Chemical Institute of Canada Medal is presented as a mark of distinction to a person who has made an outstanding contribution to the science of chemistry or chemical engineering in Canada. The award consists of a palladium medal.

La médaille de l'Institut de chimie du Canada est remise en guise de témoignage de distinction à une personne qui a apporté une contribution exceptionnelle à la chimie et au génie chimique au Canada. Le prix comprend une médaille en palladium.

Paul Brumer, FCIC
University of Toronto

Control of Chemical Reactions Using Lasers
13:30 Tuesday, June 1
Delta/D1

Paul Brumer received his PhD in Chemical Physics from Harvard University in 1972 under the guidance of Professor M. Karplus. He was subsequently a postdoctoral fellow at the Weizmann Institute of Science and Lecturer in Astronomy at the Harvard College Observatory. He has been at the University of Toronto since 1975 where he is currently Professor in the Chemical Physics Theory Group, Department of Chemistry and a Principal Investigator at the Ontario Laser and Lightwave Research Center.

Brumer's research effort has focused on formal and computational studies in two areas: coherent radiative control, a theory of controlling chemical reactions with lasers which is based primarily on principles of quantum interference; and intramolecular and intermolecular dynamics and their overlap with nonlinear mechanics, chaotic dynamics and issues in classical/quantum correspondence.

The Macromolecular Science and Engineering Award/
Le Prix des sciences et du génie macromoléculaires

Sponsored by/Parrainé par
Novacor Chemicals Ltd.

The Macromolecular Science and Engineering Award is presented to an individual who has made a distinguished contribution to macromolecular science or engineering.

Le Prix des sciences et du génie macromoléculaires est attribué pour une distinction dans le domaine des sciences et du génie macromoléculaires.

Mitchell Winnik, FCIC
University of Toronto

Polymer Welding: How Diffusion Leads to Mechanical Strength
17:15 Tuesday, June 1
Delta/D1

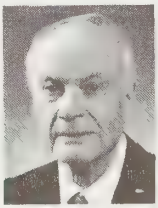
Mitchell Winnik is a Professor of Chemistry at the University of Toronto. He received a BA from Yale University and his PhD from Columbia University, working with Ronald Breslow. After a postdoctoral year with George Hammond at the California Institute of Technology, he joined the faculty at Toronto in 1970 and undertook studies in the area of organic photochemistry. He began research in the polymer field in 1978. Current efforts in his research group focus on the development of new techniques to study polymer surfaces and polymer interfaces. He is a member of the editorial advisory board of the Canadian Journal of Chemistry and of the Journal of Polymer Science, Polymer Physics, and has served previously on the board of Macromolecules.

The Montreal Medal/La Médaille de Montréal

Sponsored by/Parrainé par
The Montreal CIC Section/la Section ICC de Montréal

The Montreal Medal is presented as a mark of distinction for significant leadership in or outstanding contribution to the profession of chemistry or chemical engineering in Canada.

La médaille de Montréal est remise en guise de témoignage de distinction pour des qualités considérables de leader et une contribution exceptionnelle à la profession de la chimie ou du génie chimique au Canada.



Henry Thode, FCIC
McMaster University

Henry Thode joined McMaster University as an Assistant Professor in 1939, having been educated at the University of Saskatchewan (BSc, MSc), the University of Chicago (PhD) and Columbia University (Postdoctoral Associate with Dr. H.C. Urey). He quickly established a vigorous research program, attained the rank of Professor in 1944 and was a pioneer in the areas of mass spectrometry, isotope effect and isotope abundance measurements, determination of mass and charge distributions in fission products and in the use of isotopes in environmental studies. Before his retirement in 1979, he had served as Vice-President, then President of McMaster University (1957-1972). Two of his most outstanding achievements were the building of the Nuclear Reactor (1957) and the Health Sciences Centre (1972) at McMaster. He has served as the President of both The Chemical Institute of Canada and the Royal Society of Canada. He has served on numerous boards and advisory councils. He has received a number of civil honours, including Member of the British Empire, Companion of the Order of Canada and the Order of Ontario. He has been awarded prestigious medals from the Royal Society of Ontario, the Geological Society of America and The Chemical Institute of Canada (CIC Medal) and has been the recipient of eleven honorary degrees. In 1989 he was honoured when NSERC representatives came to McMaster to make a special presentation in recognition of his 50 continuous years of research funding from NRC, then NSERC.

Polysar Rubber Corporation Awards for High School Chemistry Teachers/Prix de Polysar Rubber Corporation à des enseignants en chimie du niveau secondaire

The Polysar Rubber Corporation Awards recognize excellence in the teaching of chemistry at the secondary school level.

Ces prix soulignent l'excellent travail d'enseignants en chimie au niveau secondaire.

Michael Falk, MCIC
Harry Ainlay Composite High School, Edmonton

School-Business Partnerships: "An Educator's Perspective"
10:00 Wednesday, June 2
Gouverneurs/G1

Michael Falk was born in Sherbrooke, Québec, and received his primary and secondary education in Coaticook, Québec. He obtained his BSc at Bishop's University before heading west to the University of Alberta, where he received his PhD in physical chemistry in 1974. The scarcity of jobs for doctorate chemists at this time persuaded Falk to enter secondary education, a decision he has never regretted. He completed a Professional Diploma of Education from the University of Alberta and in 1976 started his teaching career with Edmonton Public Schools. He joined the faculty of Harry Ainlay Composite High School in 1977 and has remained there ever since, becoming department head of science in 1986. He has been involved in the writing of high school chemistry curricula, being a contributing author to the ALCHEM, STSC Chemistry, and Nelson Chemistry texts which are currently being used in a number of school jurisdictions in Canada. Involvement in these projects led to a 1983 Canadian Teacher's Federation Hilroy Fellowship Award and to two Alberta Teacher's Association Science Council Certificates of Achievement. Falk truly believes that any recognition given to him must be shared by the outstanding science teachers and students with whom he has been fortunate to have worked in Edmonton Public Schools, and in particular, at Harry Ainlay Composite High School.

Union Carbide Award for Chemical Education/ Prix Union Carbide pour l'enseignement de la chimie

Sponsored by/Parrainé par
Union Carbide Canada Limited

The Union Carbide Award recognizes a person who has made outstanding contributions in Canada in education at any level in the field of chemistry or chemical engineering.

Le Prix Union Carbide est attribué pour distinction dans le domaine de l'enseignement de la chimie ou du génie chimique, et ce à n'importe quel palier.

Elisabeth Ann Dixon, FCIC
University of Calgary

Curriculum in Crisis and Controlled Change
8:30 Monday, May 31
Gouverneurs/G1

Elisabeth Ann Dixon received her BSc from the University of London (U.K.) majoring in Chemistry and Zoology. She then pursued a PhD in physical organic chemistry at the University of Victoria (1974). Her commitment to students and to teaching began at this time and has become the major focus of her work at the University of Calgary over the last 17 years. A sustained interest in junior undergraduate education; the interface between high school and university; and the public awareness of chemistry, has allowed Lis to develop a strong teaching profile both in the university and in the wider community.

Most recently, Lis has been involved as a team member in the major evaluation and restructuring of all aspects of first year chemistry at the University of Calgary. Part of this massive project has been the recording of student demographics, perceptions and opinions about science, and about chemistry in particular. This process will continue through the period of change and refinement.

Her efforts as a teacher have been acknowledged through several student nominated teaching awards, and through her own faculty Teaching Excellence Award (1991).

Her commitment to the discipline of organic chemistry manifests itself through her work in the area of semiochemistry of native bark beetles.

Honorary Fellows/Membres titulaires honoraires

Honorary Fellowships are awarded by The Chemical Institute of Canada in recognition of special service. There are no more than 25 living Honorary Fellows at any one time.

Les individus sont nommés membres titulaire honoraires par l'Institut de chimie du Canada en remerciement de leurs services. Il ne doit en aucun temps y avoir plus de vingt-cinq (25) membres titulaires honoraires vivants.

Ronald Gillespie, FCIC
McMaster University

Ronald Gillespie, FCIC, is Professor Emeritus, McMaster University. He has had a tremendous impact on chemistry both in Canada and in the international arena as a researcher and educator. He is most broadly known for his development of the Valence Shell Electron Pair Repulsion Theory (VSEPR). He also made early and significant contributions in fluorine and noble gas chemistry, chemistry in superacid media, and the preparation and characterization of polyatomic cations of non-metals.

In addition to his outstanding research contributions, Gillespie is a very capable and innovative educator. In particular, he has been interested in teaching at the very earliest levels, namely first year and high school. This resulted in a general chemistry textbook that has since been widely adopted and widely copied.

Honorary Fellow/Membre titulaire honoraire

Clement Bowman, FCIC
Clement W. Bowman Consulting Ltd.

Clem Bowman has had experience in a wide range of technology endeavours. His current consulting practice involves the development and evaluation of technology strategies in the fields of energy, oil sands, biotechnology and the environment.

During a four-year assignment as President of the Alberta Research Council, a crown corporation of the Alberta Government, he established new business development procedures which increased non-government contract revenues from $5 million/year to approximately $20 million/year.

Prior the above assignment, Bowman served as Vice-President for Esso Petroleum Canada, in charge of the Esso Research Centre at Sarnia, Ontario. This Centre carries out international work for Exxon in the development of processes for the manufacture of petroleum lubricants. Bowman served on various committees responsible for coordinating Exxon's world-wide technology programs.

Bowman became involved with Alberta oil sands in the 1960s. As research manager for Syncrude Canada Limited, he founded Canada's first research laboratory dedicated solely to this huge energy resource.

He was founding chairman of the Alberta Oil Sands Technology and Research Authority (AOSTRA). Through a technology fund of several hundred million dollars, joint projects were established with major international petroleum companies to recover bitumen from the deeply buried oil sands. Many of these projects have since been commercialized.

Bowman served as President of the Canadian Society for Chemical Engineering, President of The Chemical Institute of Canada, Chairman of the Canadian Research Management Association, and on the Executive Committee of the Canadian Association for the World Petroleum Congresses.

CIC Fellows/Membres titulaires

The Fellowship of the CIC was created as a senior class of membership to recognize outstanding merit by those who have made, or who are clearly in the course of making a sustained and major contribution to the science or to the profession of chemistry, or of chemical engineering.

Pour souligner le mérite exceptionnel de particuliers qui contribuent ou ont contribué d'une manière originale et durable à l'essor des sciences chimiques ou de la profession de chimiste ou d'ingénieur chimiste, l'ICC a établi une catégorie supérieure de membre, soit celle de membre titulaire.

Fellowship certificates will be presented to the newly elected Fellows at the The Chemical Institute of Canada Annual General Meeting on Monday, May 31 at the 76th Canadian Society for Chemistry Conference in Sherbrooke, Quebec and at the Canadian Society for Chemical Engineering Annual General Meeting on Tuesday, October 5 at the 43rd Canadian Chemical Engineering Conference in Ottawa, Ontario.

R.J. Audette
V. Birss
P. Brumer
E.A. Dixon
E.M. Hawes
J.W. Hepburn
D.L. Hooper
J. Hubert
A.N. Hughes
N.R. Hunter
B.A. Lodge
J.J. Mardon
J.H. Masliyah
A.E. Mather
S.M. Milnera
R.T. Oakley
B.M. Pinto
H.P. Plaumann
K.C. Porteous
K.F. Preston
J.G. Purdon
F.D. Rochon
M.V. Sefton
L. Schramm
O.S. Tee
C.K. Tompkins
S.E. Wanke
M.A. Winnik
J.D. Wright

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

Norman and Marion Bright Memorial Award/ Prix commémoratif Norman et Marion Bright

Sponsored by/Parrainé par
The Canadian Society for Chemical Technology

The Norman and Marion Bright Memorial Award is presented to an individual who has made an outstanding contribution in Canada to the furtherance of chemical technology.

Le Prix commémoratif Norman et Marion Bright est pour une contribution exceptionnelle à l'avancement de la technologie chimique.

Ray Cullen, FCIC
Southern Alberta Institute of Technology

Ray Cullen was born in Glenavon, Saskatchewan in 1937. He obtained his BSc degree in Chemical Engineering from the University of Saskatchewan in 1959. Upon graduation, he moved to Fort St. John, BC and worked as a junior process engineer for Phillips Petroleum. In 1960 he joined the Southern Alberta Institute of Technology in Calgary as an instructor in the Chemistry Department. In the late 60's he worked with industry to establish the Chemical Engineering Technology program, the first graduates of which appeared in 1972. Over the years he has developed a first class chemical instrumentation facility within the Chemical Technologies Department to provide state of the art training to its students. In the Chemical Engineering lab, the distillation tower went from pneumatic to electronic controls in 1980 and to a fully computerized system by 1987. Cullen became the assistant Department Head of the Chemical Technologies Department in 1989, became a CIC Fellow in 1991 and is currently the Acting Department Head.

He has served as a faculty advisor to the CSCT Student Chapter, has held numerous positions on the CIC Local Section executive, including four terms as chairman, has served on national CSCT committees and was a Councillor for Alberta from 1980-83.

Novacor Chemicals Ltd. Award for Chemistry Teaching/ Prix Novacor Chemicals Ltd. pour l'enseignement de la chimie

Sponsored by/Parrainé par Novacor Chemicals Ltd.

The Novacor Chemicals Ltd. Award for Chemistry Teaching is presented to outstanding teachers in chemistry, biochemistry, chemical engineering or chemical technology at community and technical colleges.

Parrainé par Novacor Chemicals Ltd., ce prix est attribué pour l'enseignement exceptionnel de la chimie, de la biochimie, du génie chimique ou de la technologie chimique aux collèges communautaires ou techniques.

Malcolm Zander
Algonquin College

Malcolm Zander was born in New Zealand, where he did an MSc, and immediately afterwards in 1964, he moved to Toronto to do a PhD with Bryan Jones. An enterprising immigration official in Vancouver convinced him to upgrade his student visa to landed immigrant status, as a consequence of which he is still here.

After a postdoctoral with Eliahu Caspi at the Worcester Foundation for Experimental Biology in Massachusetts, he joined Algonquin College in Ottawa in 1969, and has remained there ever since, with the exception of two sabbatical years in 1975 and 1982 in Strasbourg, France, with Guy Ourisson and Jules Hoffman.

He has taught a somewhat eclectic mix of subjects, ranging from general, organic and bio-chemistry to industrial safety, plant tissue culture, toxicology and molecular genetics. From 1975 to 1990 he taught entirely in French. In recent years he has been in some demand as a speaker or provider of short courses in molecular genetics.

In his capacity as program coordinator he has visited a large number of English and French high schools to promote or demonstrate chemistry. He has been active in graduate placement and in the development of new programs in bioengineering and in occupational health and safety.

In 1992 he received the Laurent Isabelle award for excellence in teaching. He feels that good teachers are characterised by empathy for their audience, and should not take themselves too seriously. He finds amateur winemaking one of the more important aspects of applied biochemistry.

The Canadian Society for Chemistry
La Société canadienne de chimie

The Alcan Award/Prix Alcan
Sponsored by/Parrainé par
Alcan International Limited

The Alcan Award is presented to a scientist residing in Canada who has made a distinguished contribution in the fields of inorganic or electrochemistry.

Le Prix Alcan est attribué pour une distinction dans les domaines de la chimie inorganique ou de l'électrochimie.

Richard Oakley, FCIC
University of Guelph

Chemical Binding Within and Between Inorganic Rings; The Design and Synthesis of Molecular Conductors
14:30 Wednesday, June 2
Delta/D6

Richard Oakley was born in Maracaibo, Venezuela, but spent most of his childhood in England. He moved to Canada in 1966, and attended the University of British Columbia, where he obtained a B.Sc. in 1969 and M.Sc. in 1970. From 1970 to 1972 he taught undergraduate chemistry in Columbia under the auspices of the Canadian University Services Overseas. He then returned to UBC and completed his Ph.D. in inorganic chemistry in 1976 under the supervision of Professor Norman Paddock. After two years as an NSERC Postdoctoral Fellow at Wisconsin and Stanford, he moved to the University of Calgary, first as a Research Associate and later as an Assistant Professor. In 1983 he moved to the University of Guelph, where he is currently Professor of Chemistry.

Oakley's research activities originate from an early interest in the chemical and structural consequences of electron delocalization in inorganic ring systems. Current work is focussed on the design and synthesis of stable heterocyclic n-radicals that can serve as templates for the construction of low-dimensional molecular conductors. Oakley received an Honorary Canadian Ramsay Fellowship, an NSERC University Research Fellowship, the American Chemical Society Akron Section Award. He is presently Chair of the Inorganic/Organic Grant Selection Committee of NSERC.

The Alfred Bader Award in Organic Chemistry/ Prix Alfred-Bader - Chimie organique

The Alfred Bader Award is a mark of distinction and recognition of a scientist, who shall not have reached the age of 60, for excellence in organic chemistry research.

Le Prix Alfred-Bader est attribué pour une distinction dans le domaine de la recherche en chimie organique par un scientifique qui ne doit pas avoir atteint l'âge de 60 ans.

Victor Snieckus, FCIC
University of Waterloo

Aromatic Metallation Aromatique. Methodology and Synthetic Consequences Synthétiques
13:30 Monday, May 31
Le Baron/B2

Victor Snieckus was born in Lithuania and spent his childhood in Germany during World War II. In 1959, he obtained the B.Sc. (Hon) degree at the University of Alberta where he was inspired to study organic chemistry by R.B. Sandin. Following graduate studies (M.Sc., University of California, Berkeley, with D.S. Noyce; Ph.D., University of Oregon, with V. Boekelheide), he returned to do a post doctoral, NRC Ottawa, with O.E. Edwards and joined the faculty at the University of Waterloo in 1966.

In early work, Snieckus discovered, independently with Streith, the photochemical rearrangement of N-iminopyridinium ylides to 1,2-diazepines and developed the organic and organometallic chemistry of this new class of heterocycles. In the late 1970s, Snieckus initiated work in aromatic directed metalation chemistry which contributed to its emergence as a highly adaptable strategy for the regiospecific construction of polysubstituted aromatics and heteroaromatics. Beginning in 1985, Snieckus has linked the directed ortho metalation tactic to radical-mediated processes and transition metal catalyzed cross-coupling reactions.

Snieckus has contributed over 150 publications and 40 reviews. He has held Visiting Professorships at Copenhagen, Geneva, Monash, and Rand Afrikaans Universities and Exchange Fellowships in Brazil, France, Japan, The Netherlands, and Switzerland. He has served on the Advisory Editorial Board of the Journal of Organic Chemistry and Progress in Heterocyclic Chemistry and is an Editor for the Canadian Journal of Chemistry and Synlett. In 1991 he held the Universitat Basel Chair and in 1992 he was awarded the NSERC/Monsanto Industrial Research Chair.

Outside of the lab, he enjoys jazz, running, and non-contact hockey.

The Clara Benson Award/
Prix Clara-Benson

Sponsored by/Parrainé par
Canadian Council of University Chemistry Chairs (CCUCC)

This award is named after Clara Benson (1875-1964), one of the first two women to receive a Ph.D. from the University of Toronto (the first in Chemistry), graduating in 1903. She did research in food chemistry, and eventually became Professor and Head of Food Chemistry at the University of Toronto where she served until her retirement in 1945. She was a founding member of The CIC, and the only woman among its founders.

The Clara Benson Award is for a distinguished contribution to chemistry by a woman.
Le Prix Clara-Benson est attribué à une femme chimiste pour une distinction dans le domaine de la chimie.

Viola Birss, FCIC
University of Calgary

Electrochemical Modification of Metal Surfaces
9:55 Monday, May 31
Delta/D5

Viola Birss obtained her BSc(Hon) in Chemistry from the University of Calgary and her PhD, in electrochemistry, from the University of Auckland in 1978. She was a Postdoctoral Fellow with Brian Conway at the University of Ottawa for one year. She then worked for two years with Continental Group. In 1982, she took a position with Alcan International Ltd. In 1983, she moved to the University of Calgary, where she is now a Professor of Chemistry. Her research has focussed on the mechanisms of electrochemical metal oxidation reactions, with emphasis on the development of hydrous metal oxides at noble metals, and the study of the ion/solvent transport properties of these materials. She has also studied the formation of oxide films at a number of amorphous metal electrodes, with the goal of generating surfaces with new and useful electrocatalytic properties. Other research has involved the study of the adsorption of a particular class of biologically relevant materials, the flavins, at electrode surfaces, and investigating the factors which influence the surface orientation of these species as a function of a number of chemical and electrochemical variables. She received the Lash Miller Award in Electrochemistry and served as chair of the Physical/Analytical Grant Selection Committee of NSERC.

Fisher Scientific Award\Prix Fisher-Scientifique

Sponsored by/Parrainé par
Fisher Scientific

The Fisher Scientific Award is for distinguished contribution in analytical chemistry.
Le Prix Fisher-Scientifique est attribué pour une distinction dans le domaine de la chimie analytique.

Joseph Hubert, FCIC
Université de Montréal

Surface Wave Plasmas, a "Nouvelle Vague" in Analytical Spectrochemistry
11:15 Monday, May 31
Delta/D1

Joseph Hubert was born in France in 1944. He received a degree in Chemical Engineering from the École Nationale Supérieure de Chimie de Paris in 1967 and the same year he also obtained a Licence ès Sciences from La Sorbonne in Paris. He completed his graduate studies in structural inorganic chemistry in the Chemistry Department of the Université de Montréal. He joined the Chemistry Department of the Université de Montréal as an Assistant Professor in Inorganic Analytical Chemistry. He is presently Professor of Chemistry in the Chemistry Department.

His main research interests are in analytical spectrometry and in inorganic analyses.

In analytical spectrometry, his research interests include fundamental studies of plasma sources, instrumentation development in analytical spectrometry and applications of analytical spectrometries to inorganic analyses.

More specifically, he works on flow injection analyzers, trace metal speciation and preconcentration methods for trace element determination. Hubert has guided more than 40 graduate students at the Master and Doctorate levels. These students presently hold positions in a large variety of academic, industrial and government laboratories

John Labatt Limited Award/Prix John Labatt Ltée

Sponsored by/Parrainé par
John Labatt Limited

The John Labatt Limited Award is presented in recognition of outstanding achievement in the field of biochemical or organic chemical research with particular emphasis on biological systems.

Le Prix John Labatt Ltée est attribué pour souligner la qualité exceptionnelle de travaux de recherche dans le domaine de la biochimie ou de la chimie organique.

Arthur Szabo, FCIC
National Research Council

Picosecond Fluorescence in Studies of the Structure and Conformational Heterogeneity of Peptides and Proteins
11:15 Wednesday, June 2
Le Baron/B7

Arthur Szabo received his BSc(Hon) in Chemistry from Queen's University in 1961. As an NRC Scholar, he received his MA in 1963 and a PhD in 1965 from the University of Toronto, studying under Professor Peter Yates. He spent two years as an NRC Postdoctoral Fellow, at the University of Southampton with Professor R.C. Cookson. In 1967 he joined the Division of Radiation Biology at the National Research Council. Currently he is a senior research officer in the Institute for Biological Sciences, NRC, in the Protein Structure and Design Section, and an adjunct professor in the Department of Biochemistry, University of Ottawa. His research is primarily directed towards the elucidation of the interrelationship between the structure, dynamics and function of proteins; and he makes extensive use of the techniques of fluorescence spectroscopy, particularly picosecond time resolved fluorescence using laser excitation. Recently he applied these spectroscopic studies to site directed mutant proteins and demonstrated how one might conveninently investigate protein-protein interactions. He is an associate editor of the Journal of Fluorescence, and was the co-director of the NATO Advanced Study Institute on Excited State Probes in Biochemistry and Biology.

R.U. Lemieux Award for Organic Chemistry/Prix de chimie organique R.U. Lemieux

Sponsored by/Parrainé par
Organic Chemistry Division

The R.U. Lemieux Award recognizes a distinguished contribution in organic chemistry.
Le Prix R.U. Lemieux est attribué pour une distinction dans le domaine de la chimie organique.

Tak-Hang Chan, FCIC
McGill University

Organometallic-Type Reactions in Aqueous Media - A New Challenge in Organic Synthesis
16:30 Tuesday, June 1
Le Baron/B2

Tak-Hang Chan was born in Hong Kong on June 28, 1941. He received his BSc (Chemistry) in 1962 from the University of Toronto, MSc in 1963 and PhD in 1965 from Princeton University. After one year of post-doctoral research at Harvard University, he joined the Chemistry Department of McGill University in 1966. He currently holds the rank of Professor of Chemistry and Dean of Science. His research interests are in the areas of organic synthesis, organometallic reactions and organosilicon chemistry. He received the Merck, Sharpe and Dohme Award of The Chemical Institute of Canada in 1982 and the senior Killam Fellowship of the Canada Council in 1983-85.

W.A.E. McBryde Medal/Médaille W.A.E. McBryde

Sponsored by/Parrainé par
Dow Chemical Canada Incorporated

The W.A.E. McBryde Medal is awarded in recognition of a significant achievement in pure or applied analytical chemistry.

La médaille W.A.E. McBryde est attribué pour une distinction à la chimie analytique pure ou appliquée.

Jed Harrison, MCIC
University of Alberta

Microelectronics, Polymers and Chemical Sensors: Probing Their Problems and Advantages in Sensor Development
11:15 Wednesday, June 2 Delta/D1

Jed Harrison is a native of Vancouver, BC. He obtained his BSc in Chemical Physics from Simon Fraser University in 1980, and received the Gordon Shrum Gold Medal upon graduation. He was the recipient of an NSERC Post-Graduate Fellowship while undertaking graduate studies at MIT with Mark Wrighton and received a PhD in 1984. He then joined the Chemistry Department of the University of Alberta, where he is now an Associate Professor.

Harrison is the author of over 60 scientific publications. His research interests are generally in electrochemistry, specifically in the development of membranes for chemical sensors and the use of microelectronic fabrication techniques for sensors and sensor systems. This program encompasses the development of new ion-selective electrode membrane matrices suited for use with integrated circuit technology, and the study of transport of ions, neutral molecules and solvents within polymer membrane matrices. Recently his group has begun developing electrophoresis systems on glass "chips". Harrison is Associate Editor of a new journal, Analytical Methods and Instrumentation. He serves on the Program Committees of the biennial, IEEE sponsored Sensor and Actuator Workshop, Transducers: International Conferences on Solid-state Sensors and Actuators, and the International Meetings on Chemical Sensors. He is also a member of the Electrochemical Society Sensor Group Executive Committee.

The Merck Frosst Centre for Therapeutic Research Award/ Prix du Centre de recherche thérapeutique Merck Frosst

Sponsored by/Parrainé par
Merck Frosst Centre for Therapeutic Research

The Merck Frosst Centre for Therapeutic Research Award is given for a distinguished contribution in the field of organic chemistry or biochemistry by a scientist who shall not have reached the age of 40.

Le Prix du Centre de recherche thérapeutique Merck Frosst est attribué pour une distinction dans les domaines de la chimie organique ou de la biochimie par un chercheur qui ne doit pas avoir atteint l'âge de 40 ans.

Mario Pinto, FCIC
Simon Fraser University

From Streptococcal Infections to Rheumatic Heart Disease
16:30 Wednesday, June 2
Le Baron/B2

Mario Pinto was born in Colombo, Sri Lanka and received his BSc degree in Chemistry (1975) and PhD (1980), under the supervision of Walter A. Szarek, from Queen's University. He went to France as a NATO Science Fellow for postdoctoral research at the Institut de Chimie des Substances Naturelles, Centre National de la Recherche Scientifique, under the direction of Sir Derek H.R. Barton (1980-82). He returned to Canada as a Research Associate with David R. Bundle in the Division of Biological Sciences of the National Research Council (1982-83). He then accepted a position as an NSERC University Research Fellow in the Department of Chemistry at Simon Fraser University where he is now an Associate Professor. Pinto has served on the Executive of the CIC Vancouver Section (1988-93) and is currently Vice-Chair.

Pinto's research interests span physical-organic and bio-organic chemistry with a focus on conformational analysis and the role of conformations in biological recognition processes. He has made significant contributions in organochalcogen chemistry and carbohydrate chemistry. He received the 1992 Horace S. Isbell Award from the Carbohydrate Division of the American Chemical Society for excellence of contributions to carbohydrate research.

The Noranda Award/Prix Noranda

Sponsored by/Parrainé par
Noranda Incorporated

The Noranda Award is presented for a distinguished contribution in the field of physical chemistry by a scientist who shall not have reached the age of 40.

Le Prix Noranda est attribué pour une distinction dans le domaine de la chimie physique par un chercheur qui ne doit pas avoir atteint l'âge de 40 ans.

John Hepburn, FCIC
University of Waterloo

Under the Rainbow: Photochemistry and Photoelectron Spectroscopy Using Coherent Vacuum Radiation
11:30 Tuesday, June 1
Delta/D1

John Hepburn received his BSc degree from the University of Waterloo, and his PhD from the University of Toronto, under the supervision of J.C. Polanyi. After working as a NATO postdoctoral fellow in Y.T. Lee's lab at Berkeley, he returned to the University of Waterloo as an NSERC University Research Fellow in 1982. He is currently a professor of Physics and Chemistry at the University of Waterloo. For the 1989-90 academic year he was a visiting professor at the University of Paris, and was an Alfred P. Sloan Foundation Fellow from 1988 to 1990. He is currently serving on the program review panel for the Advanced Light Source Synchrotron Lab (Berkeley) and is also on the Scientific Advisory Committee for the Network of Centres of Excellence in Molecular and Interfacial Dynamics (CEMAID).

His current research interests include the use of short wavelength laser for ultrahigh resolution photoelectron spectroscopy and photoionization spectroscopy, laser ablation high pressure mass spectrometry, and laser probing of combustion.

The John C. Polanyi Award/
Prix John C. Polanyi

Sponsored by/Parrainé par
Xerox Research Centre of Canada

The John C. Polanyi Award is for excellence in research in physical and theoretical chemistry or chemical physics by a scientist who shall not have reached the age of 65.

Ce prix est attribué pour la qualité exceptionnelle de travaux de recherche dans les domaines de la chimie physique et théorique ou de la physicochimie par un scientifique qui ne doit pas avoir atteint l'âge de 65 ans.

Christopher Brion, FCIC
University of British Columbia

Electrons, Molecules and Chemistry
13:30 Wednesday, June 2
Delta/D1

Chris Brion has developed new methods and techniques for obtaining quantum chemical information from laboratory experiments based on inelastic electron scattering. Electron Momentum Spectroscopy is providing information of fundamental and applied importance in areas such as the imaging of atomic and molecular orbitals, molecular wavefunction evaluation and design, and the investigation of chemical reactivity at the electronic level. Dipole electron energy loss techniques have yielded an extensive data base of absolute transition probabilities for photoabsorption and photoionization processes involving transitions of core and valence electrons in molecules in the vacuum UV and soft X-ray regions of the electromagnetic spectrum.

After obtaining his BSc and PhD at the University of Bristol, Brion came to the University of British Columbia in 1961 where he is now Professor of Chemistry. He is a Principal Investigator in the Canadian National Networks of Centres of Excellence (Centres of Excellence in Molecular and Interfacial Dynamics). Brion is a Fellow of The Royal Society of Canada and of The Chemical Institute of Canada. Other honours include the Noranda Award of the CSC, Guggenheim and Canada Council Killam Research Fellowships, The Jacob Biely Faculty Research Prize and The Killam Research Prize at UBC, and The Herzberg Award of The Spectroscopy Society of Canada.

The E.W.R. Steacie Award in Chemistry/
Prix E.W.R. Steacie - Chimie

Sponsored by/Parrainé par
Sciex Inc., Division of MDS Health Group

The E.W.R. Steacie Award in Chemistry is given to a scientist for a distinguished contribution to chemistry.
Le prix E.W.R. Steacie est attribué pour une distinction dans le domaine de la chimie.

Howard Alper, MCIC
University of Ottawa

New Developments in Metal Catalyzed Processes
13:30 Thursday, June 3
Le Baron/B2

Receiving his PhD in Chemistry from McGill University in 1967, Howard Alper spent a year at Princeton University as a NATO postdoctoral fellow working with Paul Schleyer. He joined the faculty of the State University of New York at Binghamton and in 1975 returned to Canada as associate professor at the University of Ottawa. Alper served from 1982-85 and 1988 to the present time as chairman of the chemistry department. He has served on grants committees and other advisory panels in Canada, the United States and Europe. He has received a number of awards, including the NSERC E.W.R. Steacie Fellowship (1980-82), John Simon Guggenheim Fellowship (1985-86), Killam Research Fellowship (1986-88), Fellow of the Royal Society of Canada (1984), the CSC Alcan Lecture Award (1980), the CIC Catalysis Award (1984) and the CSC Alfred Bader Award in Organic Chemistry (1990).

Homogeneous, phase transfer and, recently, heterogeneous catalysis by metal complexes are the keystones of his contributions in the areas of oxidation, reduction, and carbonylation reactions. Novel cobalt and ruthenium carbonyl catalyzed rearrangements and cyclization reactions have been discovered, applicable to the synthesis of alkaloids. Finally, Alper and his co-workers have made detailed studies of the mechanisms of several fundamental processes such as the palladium (II) catalyzed carbonylation of chloroarenes to carboxylic acids, including elucidation of the pathway for the reduction of palladium (II) to palladium (O).

The Syntex Award/Prix Syntex

Sponsored by/Parrainé par
Syntex Incorporated

The Syntex Award is presented for a distinguished contribution to the field of medicinal chemistry through research involving biochemical or organic chemical mechanisms.

Le Prix Syntex est attribué pour une distinction dans le domaine de la chimie thérapeutique par l'entremise de recherches portant sur les mécanismes biochimiques ou chimico-organiques.

David Dolphin, FCIC
University of British Columbia

Photodynamic Therapy
14:30 Tuesday, June 1
Le Baron/B7

David Dolphin received his undergraduate and graduate training at Nottingham University. In 1965 he spent a postdoctoral year with R.B. Woodward and then joined the Harvard faculty where he taught in the chemistry department until 1974 when he moved to the University of British Columbia.

Dolphin is the QLT/NSERC Industrial Research Professor at UBC and Vice-President, Technology Development at Quadra Logic Technologies Inc. (QLT). Before joining QLT he was the Acting Dean of Science at UBC. His research focuses on the chemistry and biochemistry of porphyrins and related macrocycles and he has been instrumental in the development of drugs for photodynamic therapy.

Dolphin is a Fellow of The Chemical Institute of Canada. He was elected a Guggenheim Fellow in 1980 and received a D.Sc. from his alma mater in 1982. In 1990 he was awarded the Gold Medal in Health Sciences by the Science Council of British Columbia.

FOR ADDITIONAL INFORMATION/
POUR DE PLUS AMPLES RENSEIGNEMENTS

The Chemical Institute of Canada
Diane Goltz, Program Manager, Awards
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2

Telephone: 613-232-6252
Fax: 613-232-5862
E-mail: CSCXT@ACADVM1.UOTTAWA.CA

Chemistry: Vital to Our Future • La Chimie: C'est notre avenir

75th / 75e Canadian Chemical Conference and Exhibition

Congrès canadien de chimie et exposition

Table of Contents/Table des matières

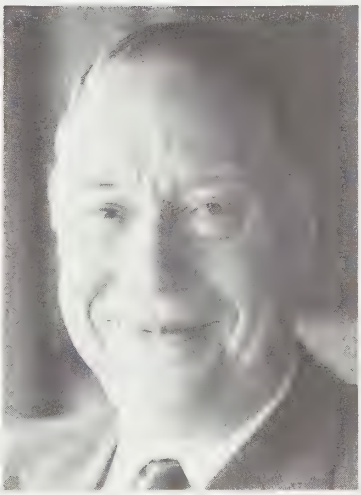
The Chemical Institute of Canada/ L'Institut de chimie du Canada

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

The Canadian Society for Chemistry/ La Société canadienne de chimie

The Chemical Institute of Canada/
L'Institut de chimie du Canada

The CIC Medal/La Médaille de l'ICC
Sponsored by/Parrainé par
Inco Limited



Donald A. Ramsay, FCIC,
National Research Council

The Chemical Institute of Canada Medal is presented as a mark of distinction to a person who has made an outstanding contribution to the science of chemistry or chemical engineering in Canada. The award consists of a palladium medal.

La médaille de l'Institut de chimie du Canada est remise en guise de témoignage de distinction à une personne qui a apporté une contribution exceptionnelle à la chimie et au génie chimique au Canada. Le prix comprend une médaille en palladium.

The Spectra of Free Radicals
1400 Tuesday, June 2
Room 8

Ramsay was born in London, England on July 11, 1922, and studied at Cambridge University from where he received BA, MA, PhD and ScD degrees.

He came to Canada in July 1947 and completed 40 years at the National Research Council where he worked in the Division of Chemistry, Physics and the Herzberg Institute of Astrophysics. He retired in 1987 from his position as Principal Research Officer and Head of the Spectroscopy Section. He has published 150 scientific papers.

He was elected a Fellow of the Royal Society of Canada in 1966 and a Fellow of the Royal Society of London in 1978. He is also a Fellow of The Chemical Institute of Canada and of the American Physical Society. He has been awarded Honorary Degrees from the Université de Rheims in 1969 and the University of Stockholm in 1982.

He is recognized on the international scene for his pioneering work on the electronic spectra of free radicals.

The Montreal Medal/La Médaille de Montréal

Sponsored by/Parrainé par
The Montreal CIC Section/la Section ICC de Montréal

Geraldine Kenney-Wallace, FCIC
McMaster University

The Montreal Medal is presented as a mark of distinction for significant leadership in or outstanding contribution to the profession of chemistry or chemical engineering in Canada.

La médaille de Montréal est remise en guise de témoignage de distinction pour des qualités considérables de leader et une contribution exceptionnelle à la profession de la chimie ou du génie chimique au Canada.

Electrons on the Pacific Rim: The Changing Role of Chemistry for the 21st Century
0900-1000 Monday, June 1
Room 8

Kenney-Wallace was appointed President and Vice-Chancellor at McMaster University in July 1990, served as Chairman of the Science Council of Canada from 1987 until 1990 and is a member of the National Advisory Board on Science and Technology (NABST, 1987-91) and the Premier's Council in Ontario (1986-present). She was appointed as a Professor of Physics and Chemistry at McMaster University in 1990, and has been a principal investigator in the Ontario Laser and Lightwave Research Centre (OLLRC) at the University of Toronto and the earlier Toronto Laser Group since 1978. Kenney-Wallace received her MSc (1968) and PhD (1970) in chemical physics from the University of British Columbia on transient-induced phenomena with high energy, pulsed electron beams and lasers. Focusing initially on ultrafast phenomena in the picosecond domain and later femtoseconds, she pioneered and built up an ultrafast laser laboratory (1974-91) at Toronto to explore laser-induced responses in the 10^{-14} s-10^{-11}s regime. She is presently focusing her time for research on the femtosecond laser-induced molecular motion in dense media, nonlinear optical phenomena, as well as the development of femtosecond tunable lasers and optoelectronic /electro-optic diagnostic techniques for real-time probing of advanced materials.

Union Carbide Award for Chemical Education/ Prix Union Carbide pour l'enseignement de la chimie

Sponsored by/Parrainé par
Union Carbide Canada Limited

Nigel J. Bunce, FCIC
University of Guelph

The Union Carbide Award recognizes a person who has made outstanding contributions in Canada in education at any level in the field of chemistry or chemical engineering.

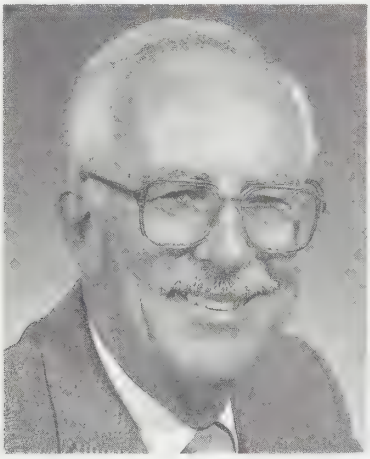
Le Prix Union Carbide est attribué pour distinction dans le domaine de l'enseignement de la chimie ou du génie chimique, et ce à n'importe quel palier.

Development of a First Year Chemistry Course with Emphasis on Environmental Chemistry
1400 Monday, June 1
Room 3

Bunce was born in England and educated at Oxford University, where his doctorate in organic photochemistry was completed under the supervision of Dr. John Barltrop. He came to Canada in 1967 to take up a Killam Memorial postdoctoral fellowship with Dr. Dennis Tanner at the University of Alberta. Since 1969 he has been on the faculty of the University of Guelph, where he has taught organic chemistry at all levels, freshman chemistry, analytical chemistry and environmental chemistry. His textbook "Environmental Chemistry" was published in 1990. Bunce's current research involves environmental chemistry, and the mechanism of toxicity of dioxins. He is also co-author of a popular weekly science column in the Guelph "Daily Mercury".

The Macromolecular Science and Engineering Lecture Award/
Le prix de conférence des sciences et du génie macromoléculaires

Sponsored by/Parrainé par
The NOVA Corporation of Alberta



Kenneth F. O'Driscoll, FCIC
University of Waterloo

This award is sponsored by The NOVA Corporation of Alberta, and will be awarded to an individual who has made a distinguished contribution to macromolecular science or engineering.

Parrainé par The NOVA Corporation of Alberta, ce prix est attribué pour distinction dans le domaine des sciences et du génie macromoléculaires.

This award will be presented at the 42nd Chemical Engineering Conference in Toronto, October 18-21, 1992

O'Driscoll received a Bachelor in Chemical Engineering from Pratt Institute in 1952 and in 1958 he received his PhD in Physical Chemistry from Princeton University. His thesis research research focused on the kinetics of free radical and ionic polymerization. After leaving Princeton, he taught for eight years in the Chemistry Department at Villanova University and for four years in the Chemical Engineering Department at the State University of New York at Buffalo. He came to the University of Waterloo in 1970 as Professor and served as Chairman of the Chemical Engineering Department for six years. In 1978 together with Prof. Alf Rudin he founded the Copolymer Group at the University of Waterloo. His research has focused mostly on the kinetics and thermodynamics of vinyl polymerization and has resulted in almost 200 publications. Other work in the area of hydrogels and polymer immobilized catalysts stemmed from his co-invention of a commercially successful hydrophillic contact lens. He has been co-editor of "Reviews in Macromolecular Chemistry and Physics" for the past 25 years, and has served on several editorial advisory boards.

The CIC Awards for High-School Chemistry Teachers/ Prix de l'ICC pour l'enseignement de la chimie au niveau secondaire

Sponsored by/Parrainé par
The Chemical Education Trust Fund

These awards recognize excellence in the teaching of chemistry at the secondary level.

David Fisher
Steveston Senior Secondary School,
Richmond, BC

Fisher has a BA in Chemistry from the University of York (UK), an MSc in Chemistry from Simon Fraser University and he attended the University of British Columbia for his teacher training. He has taught for Richmond School District since 1975 and currently teaches Chemistry 12, Physics 12 and Chemistry Advanced Placement. In the last 5 years, two of his students have represented Canada as part of the Chemistry Olympiad Team, one of whom won a bronze medal. Over 20 of his students are on the CIC Examination Honour Roll, including the 1987 Provincial Champion. Many of his students have obtained Provincial Scholarships. David has been a speaker at conferences such as Spectrum (UBC), Catalyst (SFU) and Advanced Placement Conferences. His topics have included "How to Challenge Your Chemistry 12 Students", "How to set up an Advanced Placement Course", and "A Report on the Queen's University Summer Course on Advanced Materials". (He was awarded a "Shell Merit Fellowship" to attend the Queen's University Annual Summer Program for Science Teachers in 1987.)

The CIC Awards for High-School Chemistry Teachers/ Prix de l'ICC pour l'enseignement de la chimie au niveau secondaire

Sponsored by/Parrainé par
The Chemical Education Trust Fund

These awards recognize excellence in the teaching of chemistry at the secondary level.

Robert Nalepa, MCIC
Halifax West High School

Nalepa has taught chemistry for 16 years and is currently Science and Technology Department Head at Halifax West High School. He received a BSc (Hons) in chemistry from St. Francis Xavier University, an MSc in chemistry from McMaster University and a BEd from Dalhousie University. He has co-authored "Chemistry Today", a high school chemistry textbook, and "Chemistry Laboratory Safety Manual" for the local school board. He assisted in designing a survey of high school and university chemistry teachers on what should be taught in chemistry at the high school level and co-authored the resulting paper. he has been involved with organizing local and nation al science fairs as well as giving presentations at a number of science conferences. He was a member of the Provincial Task Force on Chemistry and is a CIC member on the Executive of the Chemical Education Executive. He coached a group of his students to winning the Provincial Science Olympics and a first place in the chemistry event at the National Science Olympics. His students have also been successful in ICC, Chem 13 News and Dal Chem Week Chemistry Exam competitions. Some of his students have also attended the Canada Wide Science Fair and the Chemistry Olympiad Training Camp. Currently involved in writing a STS module for infusion into a chemistry course; in using computer interfacing to gather and analyze laboratory data; and in increasing the use of computer interfacing to gather and analyze laboratory data; and in increasing the use of computers in the teaching of chemistry.

Honorary Fellow/Membre titulaire honoraire

The Chemical Institute of Canada
L'Institut de chimie du Canada

Raymond U. Lemieux, FCIC
University of Alberta

Honorary Fellowships are awarded by The Chemical Institute of Canada in recognition of special service.

Les individus sont nommés membres titulaire honoraires par l'Institut de chimie du Canada en remerciement de leur services.

After receiving his BSc from the University of Alberta in 1943, Lemieux went on to earn a PhD in Organic Chemistry at McGill University in 1946. Lemieux began winning international attention in 1953 when he achieved the first total synthesis of sucrose. By 1958, his discoveries included the identification of the "anomeric effect", one of several related "stereo electronic" phenomena explaining many organic reactions. In 1975, he published a landmark paper on the synthesis of complete oligosaccharides and began research aimed at understanding how these molecular structures are shaped to play roles in specific biological processes. His investigations paved the way for the synthesis of a wide variety of antigenic determinants for human blood groups. These reagents are produced commercially in Canada and used to control antibody-induced pathologies such as tissue rejection. Techniques he has pioneered may have long-term applications in controlling biological processes associated with cancer and AIDS.

Lemieux' research is documented in 252 original publications. He holds patents in areas ranging from the semisynthetic production of antibiotics, processes relating to heavy water production, and the curing of rubber, to the synthesis of human blood group antigens.

Three companies have been founded to pursue the practical application of his work. One of these companies, Chembiomed Ltd. of Edmonton, is now a world leader in the synthesis of biologically active carbohydrates. Lemieux cites the opportunity to work with graduate students and postdoctoral fellows as the highlight of his career. In 1990, at the age of 70, he was awarded the King Faisal International Prize in Science from Saudi Arabia. He has served to chemical profession as President and member of the Board of Directors for The Chemical Institute of Canada and member of the National Research Council of Canada.

CIC Fellows/Membres titulaires

The Fellowship of the CIC was created as a senior class of membership to recognize outstanding merit by those who have made, or who are clearly in the course of making a sustained and major contribution to the science or to the profession of chemistry, or of chemical engineering.

Those who will receive their Fellowship certificates in Edmonton, Alberta at the Annual General Meeting on June 1 are:

C. Ayasse, P.G. Berrang, N.J. Bunce, I.D. Campbell, F.F. Cantwell, L.R. Carey, S.K. Chaudhary, J.R. Dimmock, L.L. Diosady, N. Dovichi, M.D. Fryzuk, S. Goldstein, E.W. Grandmaison, T.R. Jack, G.A. Kenney-Wallace, W.J. Leigh, C.E.R. Orvig, J.R.J. Paré, M. Ringuet, E.C. Sanford, H.F. Thimm, G.W. vanLoon, R.D. Weir.

The Canadian Society for Chemical Technology/ La Société canadienne de technologie chimique

Norman and Marion Bright Memorial Award/ Prix commémoratif Norman et Marion Bright

Sponsored by/Parrainé par
The Canadian Society for Chemical Technology

Steven Elchuk, MCIC
Atomic Energy of Canada Limited

The Norman and Marion Bright Memorial Award is presented to an individual who has made an outstanding contribution in Canada to the furtherance of chemical technology.

Le Prix commémoratif Norman et Marion Bright est pour contribution exceptionnelle à l'avancement de la technologie chimique.

Elchuk, a Technical Specialist in Analytical Chemistry with AECL Research, was born and educated in Hines Creek, Alberta. He attended the Southern Alberta Institute of Technology (SAIT), graduated in Research Laboratory Technology (Chemistry) in 1962 and that same year was hired by Atomic Energy of Canada Limited as a Research Technologist for the Whiteshell Nuclear Research Establishment (WNRE). He later moved to the Chalk River Nuclear Laboratories in Ontario where he has since been employed in the General Chemistry Branch. Co-author of 23 publications, he is interested in chromatography, especially High Performance Liquid Chromatography (HPLC), and in collaboration with Dr. R.M. Cassidy has developed methods for the high resolution dynamic ion exchange separation of transition metals and lanthanides using post-column reaction detection.

Steve resides in Petawawa, Ontario with his wife, Betty, and daughter, Debbie.

The NOVA Corporation Award for Chemistry Teaching/ Prix NOVA pour l'enseignement de la chimie

Sponsored by/Parrainé par
The NOVA Corporation of Alberta

Freeda Dobson, MCIC
St. Clair College

The NOVA Corporation Award for Chemistry Teaching is presented to outstanding teachers in chemistry, biochemistry, chemical engineering or chemical technology at community and technical colleges.

Parrainé par The NOVA Corporation of Alberta, ce prix est attribué pour enseignement exceptionnel de la chimie, de la biochimie, de la technologie du génie chimique ou de la technologie chimique.

Dobson was born and educated in England. Upon graduating from High School, she chose to go directly into employment. Her first job was as a laboratory technician in the Department of Pharmacology and General Therapeutics at Liverpool University. After one year she left and became a laboratory assistant in the Analytical Methods Research Department of a large viscose ray, tire cord and textile manufacturer. During this five-year period, she continued her studies on a part-time basis in a day release program at Liverpool Polytechnical College and ultimately graduated with a Higher National Certificate (Chemistry) issued by the Royal Institute of Chemistry.

She emigrated to Canada in 1966 with her young family and decided to re-enter the work force in 1973 in Windsor, Ontario at St. Clair College of Applied Arts and Technology. Employed initially to prepare course development work, she soon found herself in the laboratory and then the classroom. She continues to teach in both to the present and loves every minute of it.

The Canadian Society for Chemistry
La Société canadienne de chimie

The Alcan Lecture Award/Prix de conférence Alcan

Sponsored by/Parrainé par
Alcan International Limited

Michael D. Fryzuk, FCIC
University of British Columbia

The Alcan Award is presented to a scientist residing in Canada who has made a distinguished contribution in the fields of inorganic or electrochemistry.

Le Prix de conférence Alcan est attribué pour distinction dans les domaines de la chimie inorganique our de l'électrochimie.

Excursions Around the Periodic Table: Ligand Design in Inorganic Chemistry
1540 Wednesday, June 3
Room 8

Fryzuk was born in Sarnia, Ontario. At a young age his family moved to Espanola in Northern Ontario where he grew up and did all of his elementary and secondary schooling. In 1970, he moved to Toronto to attend the University of Toronto and obtained his BSc in 1974 and his PhD in Inorganic Chemistry in 1978 under the supervision of Professor B. Bosnich. His PhD work involved the preparation of new chiral catalysts for the production of amino acids. He then went to Caltech for one year as a NRC Postdoctoral Fellow with Professor J.E. Bercaw; in 1979 he accepted a position as Assistant Professor at UBC where he is now Professor of Chemistry.

Fryzuk's research interests are in fundamental and applied aspects of organometallic chemistry. Fryzuk is the winner of a number of awards. From 1984 to 1987 he was a Fellow of the Alfred P. Sloan Foundation; in 1987 he was awarded an Alexander von Humboldt Fellowship. UBC awarded him a Killam Research Prize in 1989. Most recently, he has been the recipient of the Rutherford Medal in Chemistry (1990) awarded by the Royal Society of Canada and holds an EWR Steacie Fellowship for 1990-92.

The Alfred Bader Award in Organic Chemistry/ Prix Alfred Bader - Chimie organique

J. Bryan Jones, FCIC
University of Toronto

This award is a mark of distinction and recognition for a scientist for excellence in organic chemistry research.

Ce prix est attribué pour distinction dans le domaine de la recherche en chimie organique.

Probing the Specificity of Synthetically Useful Enzymes
1540 Wednesday, June 3
Room 8

Jones has been a pioneer in the application of enzymes as practical catalysts for organic synthesis. The results obtained by his research group have demonstrated the unique benefits that the use of enzymes can bring to the production of chiral synthons of broad applicability, including key intermediates for antibiotics, insecticides, and pheromones. In contrast to the almost complete absence of synthetic exploitations of enzymes when he began his work, the field is now a large, well established, and dynamic one, with multiple applications in academic and industrial research and processes. More recently, he has begun to address the next frontier of the field - to identify the factors determining and controlling the catalytic activities and specificities of the enzymes of factors determining and controlling the catalytic activities and specificities of the enzymes of asymmetric synthetic value, using molecular graphics, molecular dynamics, and site-specific mutagenesis approaches. The same strategy is being applied in designing and synthesizing compounds that can act as drugs by inhibiting medicinally important enzymes.

Jones was born in North Wales and obtained his PhD in alkaloid chemistry at the University of Wales, Cardiff. He then did postdoctoral work, and a D.Phil., at Oxford on polyacetylene synthesis. After further postdoctoral studies at MIT, and then at Caltech - where he first started on enzymes, he returned to Oxford as ICI Fellow. In 1963 he joined the University of Toronto as a Professor of Chemistry until 1974. He is a Fellow of the Royal Society of Canada and of The Chemical Institute of Canada. Other honors include the Perlman Award of the American Chemical Society (Microbial Chemistry Division), the Labatt Award of the Canadian Society for Chemistry and a Killam Research Fellowship.

Fisher Scientific Lecture Award\Prix de conférence Fisher-Scientifique

Sponsored by/Parrainé par
Fisher Scientific

Frederick F. Cantwell, FCIC
University of Alberta

The Fisher Scientific Award is for distinguished contribution in analytical chemistry.

Le Prix de conférence Fisher-Scientifique est attribué pour distinction dans le domaine de la chimie analytique

Equilibrium and Kinetic Aspects of Phase Distribution in Analytical Chemistry
0900 Wednesday, June 3
Room 8

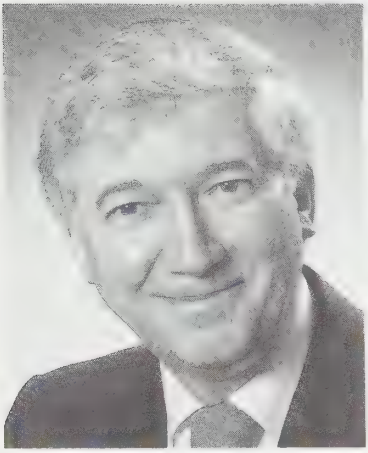
Cantwell was born in Brooklyn, NY in 1941. He received a BSc degree in chemistry from Allegheny College in Pennsylvania in 1963, after which he worked as an analytical chemist in the Research and Development Department of Endo Laboratories, a DuPont subsidiary pharmaceutical manufacturer. He did his graduate studies at the University of Iowa where he received a PhD in analytical chemistry in 1972. After spending two more years at Endo Laboratories as Assistant Director of Analytical Research and Development, he joined the Chemistry Department at the University of Alberta where he is now Professor of Chemistry.

His research has dealt with fundamental aspects of phase distribution phenomena as they apply to analytical chemistry. Three areas have been of particular interests: solvent extraction, both in rapidly agitated liquid-liquid dispersions and under segmented flow conditions; processes occurring in liquid chromatography columns; and free-metal ion "speciation" measurements.

Cantwell has served CIC/CSC in several capacities, including Chair of the Analytical Chemistry Division in 1989/90 and 1990/91. He is presently a member of the Physical/Analytical Grant Selection Committee of NSERC.

John Labatt Limited Award/Prix John Labatt

Sponsored by/Parrainé par
John Labatt Limited



Roger M. Leblanc, FCIC
Université du Québec à Trois-Rivières

The John Labatt Limited Award is presented in recognition of outstanding achievement in the field of biochemical or organic chemical research with particular emphasis on biological systems.

Le Prix John Labatt est attribué pour souligner la qualité exceptionnelle de travaux de recherche dans le domaine de la biochimie ou de la chimie organique.

Biophysical Chemistry of Molecular Organized Biological Systems
0900 Thursday, June 4
Room 8

Professor in the Department of Chemistry-Biology of the University of Québec in Trois-Rivières since 1970 and director of the Photobiophysics Research Centre from 1981 to 1991, Leblanc has focused his research in photobiology on the molecular basis of vision and the identification of the molecular species responsible for the absorption and conversion of solar energy into chemical energy in plant photosynthesis. He is author and co-author of more than 200 publications, has presented his scientific work in more than 200 national and international scientific meetings, and has guided more than 50 graduate students at master and doctorate levels. He has been involved with many grant selection committees, award selection committees, and conference/symposia organizing committees and is a member of the committee of Prospective Policies of the Ordre des Chimistes du Québec and vice-president of the Canadian Biophysics Society. Currently, he is the Conference Chairman of the "Sixth International Conference on Organized Molecular Films" to be held in Trois-Rivières in 1993. He has served as Treasurer-Secretary for the Physical and Theoretical Chemistry Division of The Chemical Institute of Canada. He is a recipient of several awards, namely: The Merit Award of the University of Québec at Trois-Rivières, The Barringer Prize of the Canadian Spectroscopy Society, The Noranda Award of The Chemical Institute of Canada and The Vincent Prize of ACFAS.

R.U. Lemieux Award for Organic Chemistry/Prix de chimie organique R.U. Lemieux

Sponsored by/Parrainé par
Organic Chemistry Division

Saul Wolfe, FCIC
Simon Fraser University

The R.U. Lemieux Award recognizes distinguished contribution in organic chemistry.
Le Prix R.U. Lemieux est attribué pour distinction dans le domaine de la chimie organique.

Studies Related to the Penicillin Receptor
1600 Monday, June 1
Room 8

Wolfe is a native of Toronto. After obtaining his BA and MA at the University of Toronto, he attended the University of Ottawa as Professor Lemieux' first student, and was the first PhD graduate of the Science Faculty in 1957. Following postdoctoral work with Franz Sondheimer as an NRC Overseas Fellow, he joined Bristol Laboratories in 1959 as Senior Research Scientist. In 1961 he moved to Queen's University at the instigation of R.L. McIntosh, and remained there until 1990, when he accepted his current position as University Professor and Professor of Chemistry at Simon Fraser University. Wolfe is a Fellow of the Royal Society of Canada and presently holds a Killam Research Fellowship. He received the Merck Frosst Lecture Award in 1972.

W.A.E. McBryde Medal/Médaille W.A.E. McBryde

Sponsored by/Parrainé par
Dow Chemical Canada Incorporated

Ray E. Clement, MCIC
Ontario Ministry of the Environment

The W.A.E. McBryde Medal is awarded in recognition of a significant achievement in pure or applied analytical chemistry.
La médaille W.A.E. McBryde est attribué pour distinction à la chimie pure ou appliquée.

Needle in a Haystack: The Search for Dioxin in Air, Water, Soils and Biota
1100 Monday, June 1
Room 8

Clement obtained his PhD from the University of Waterloo in 1981; joined the Ontario Ministry of the Environment in 1982 and is now Senior Research Scientist. Clement has published 90 scientific papers, most in the dioxin/furan field, and has published or edited four books. He is also co-author of the "Analytical Chemistry" fundamental review on gas chromatography and application review on environmental analysis. In 1989 he co-chaired the 9th International Symposium on Chlorinated Dioxins and Related Compounds, and in 1990 served as the Associate Executive Director of the Canadian Institute for Research in Atmospheric Chemistry. Clement is the 1991 winner of the Francis W. Karasek Award for Achievements in Environmental Science. He is also interested in teaching environmental and analytical chemistry, for which he holds appointments as Adjunct Research Professor at Carleton University and Honorary Professor at the University of Western Ontario. He chaired a Committee that developed a new Environmental Technology program at Durham College. Clement serves on the Editorial Board of "Chemosphere", and was recently appointed to the Instrumental Panel of "Analytical Chemistry". He is a member of the American Chemical Society, Canadian Society for Chemistry (CSC), Air & Waste Management Association, American and Canadian Societies for Mass Spectrometry, and the Canadian Association of Environmental Analytical Laboratories.

The Merck Frosst Centre for Therapeutic Research Lecture Award/ Prix de conférence Centre de recherche thérapeutique Merck Frosst

Sponsored by/Parrainé par
Merck Frosst Centre for Therapeutic Research

William J. Leigh, FCIC
McMaster University

This award is given for a distinguished contribution in the field of organic chemistry or biochemistry.

Ce prix est attribué pour distinction dans les domaines de la chimie organique our de la biochimie.

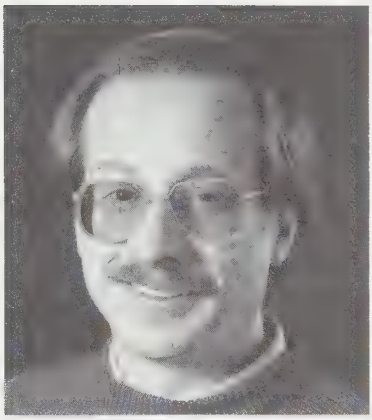
Orbital Symmetry and the Photochemistry of Cyclobutene
1600 Tuesday, June 2
Room 8

Leigh received his BSc and PhD degrees from the University of Western Ontario. After postdoctoral work at the IBM Thomas J. Watson Research Center and at the National Research Council in Ottawa, he joined the faculty of McMaster University in 1983 with a NSERC University Research Fellowship (1983-1993). He was promoted to Associate Professor in 1987. Leigh served on the Executive of the CIC Hamilton Section (1984-1990), and is currently Vice-Chair of the Organic Chemistry Division of the Canadian Society for Chemistry.

His research interests include photopericyclic reactions and small molecule in liquid crystals and other ordered media, and the study of reactive intermediates by nanosecond laser flash photolysis and matrix isolation techniques.

The Noranda Lecture Award/Prix de conférence Noranda

Sponsored by/Parrainé par
Noranda Incorporated



Norman J. Dovichi, FCIC
University of Alberta

This award is presented for distinguished contribution in the field of physical chemistry.
Ce prix est attribué pour distinction dans les domaines de la chimie organique ou de la biochimie.

Thermo-Optical and Laser-Induced Fluorescence for High Sensitivity Measurements of Condensed Phase Systems
1100 Tuesday, June 2
Room 8

Dovichi grew up in Chicago. He received his BSc in 1976 from Northern Illinois University with dual majors in Chemistry and Applied Mathematics. He received his PhD in 1980 from the University of Utah in Physical-Analytical Chemistry with Joel M. Harris as his mentor. He spent an 18-month postdoctoral fellowship with the Physical Chemistry group, the Biophysics group and the Ultrasensitive Analysis Project at Los Alamos National Laboratory. He was appointed in 1982 as Assistant Professor in the Chemistry Department of the University of Wyoming. He moved to the Chemistry Department of the University of Alberta in 1986, where he is a professor.

Dovichi won the 1991 W.A.E. McBryde Medal from the Canadian Society for Chemistry for his work in analytical chemistry. He is the 1991 Steacie Prize winner from the National Research Council. He has published over 80 papers and has presented over 1990 invited talks on applications of lasers in chemistry and physics. Dovichi is an editor for "Spectrochimica Acta Reviews", the editor for Canada of "Applied Spectroscopy", is on the editorial advisory boards of "Microchimica Acta" and the "Canadian Journal of Spectroscopy", and is on the instrumentation advisory board of "Analytical Chemistry".

The John C. Polanyi Lecture Award/
Prix de conférence John C. Polanyi

Sponsored by/Parrainé par
Xerox Research Centre of Canada

John C. Polanyi, FCIC
University of Toronto

The John C. Polanyi Award is for excellence in research in physical and theoretical chemistry or chemical physics.

Ce prix est attribué pour la qualitéexceptionnelle de travaux de recherche dans les domaines de la chimie physique et théorique ou de la physicochimie.

The Dynamics of Photodissociation and Photoreaction in the Adsorbed State
1320 Wednesday, June 3
Room 8

Polanyi, educated at Manchester University, England, and Princeton University, USA, joined the University of Toronto in 1956. His research is on the molecular motions in chemical reactions in gases and at surfaces. He is a Fellow of the Royal Societies of Canada, of London, and of Edinburgh, also for the American Academy of Arts and Sciences, the US National Academy of Sciences and the Pontifical Academy of Rome. His awards include the 1986 Nobel Prize in Chemistry, the Royal Medal of the Royal Society of London. He served on the Prime Minister of Canada's Advisory Board on Science and Technology and presently is Honorary Advisor to the Max Planck Institute for Quantum Optics, Germany, Board member of the Steacie Institute for Molecular Sciences, Canada, and Foreign Honorary Advisor to the Institute for Molecular Sciences, Japan. He was the founding Chairman of the Canadian Pugwash Group in 1960, has written extensively on science policy and on the control of armaments, and is co-editor of a book, "The Dangers of Nuclear War".

The E.W.R. Steacie Award in Chemistry/
Prix E.W.R. Steacie - Chimie

Sponsored by/Parrainé par
Sciex Inc., Division of MDS Health Group

Paul de Mayo
University of Western Ontario

The E.W.R. Steacie Award in Chemistry is given to a scientist for distinguished contribution to chemistry.

Le prix E.W.R. Steacie est attribué pour distinction dans le domaine de la chimie.

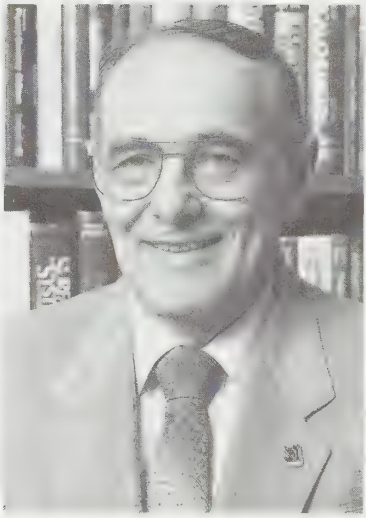
De Mayo received his research training under the supervision of D.H.R. Barton and obtained his PhD degree from the University of London in 1954. His major research interest in the 1950s was the isolation and structural elucidation of natural products, but he also became involved in studies of the photochemically induced rearrangements of natural products, which initiated his interest in photochemistry. In 1959 he was appointed Professor of Chemistry at the University of Western Ontario. As a result of his initiative, the Photochemistry Unit, an association of ten faculties in the Chemistry Department whose research interests lie in the areas of organic and inorganic photochemistry and photophysics, was founded in 1969.

In his early years at Western, his research was in the areas of natural products and photochemistry but the emphasis shifted towards the latter. He was one of the first to realize the importance of the photochemical cycloaddition reaction of enones with alkenes. During the 1970s de Mayo began an exhaustive study of the photochemical reactions of thiocarbonyl compounds and showed that the lowest excited states of thioketones are so low in energy that abstraction reactions, such as those for carbonyl photochemistry, are not thermodynamically feasible. He also showed that by conversion of a ketone to a thioketone, it is possible to redirect the site of intramolecular photochemical hydrogen abstraction within a molecule.

In the 1980s, he became active in the photochemistry of organic molecules in media other than fluid isotropic solution and studied ways in which photochemical reactions are modified in solutions of micelles. Up to his retirement in July 1990, he explored the electron transfer photochemistry of compounds initiatives by the irradiation of semiconductors present as suspensions in the solutions of compounds of interest.

The Syntex Award/Prix Syntex

Sponsored by/Parrainé par
Syntex Incorporated



L. Ross C. Barclay, FCIC
Mount Allison University

This award is presented for distinguished contribution to the field of medicinal chemistry through research involving biochemical or organic chemical mechanisms.

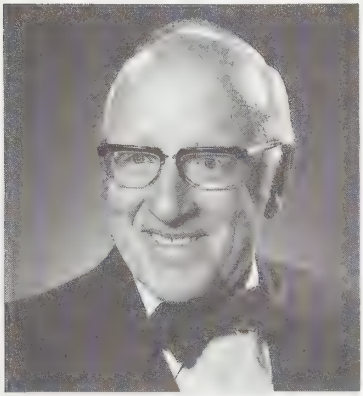
Ce prix est attribué pour distinction dans le domaine de la chimie thérapeutique par l'entremise de recherches portant sur les mécanismes biochimiques ou chimico-organiques.

Model Biomembranes: Quantitative Studies of Peroxidation, Antioxidant Action, Partitioning, and Oxidative Stress
1100 Thursday, June 4
Room 8

Barclay received his MSc from Mount Allison University in 1951 and obtained his PhD in Organic Chemistry from McMaster University in 1957. He has been a Professor at Mount Allison University from 1951 until 1967, at which time he became Head of the Chemistry Department until 1982. He has also been a Visiting Research Officer with the National Research Council, Professor with the University of Alberta and lecturer with McMaster University. He was a member of the National Research Council Chemistry Grant Selection Committee (1972-75); member of the NSERC Equipment Task Force (1980-81); Vice-Chairman (1962-63) and Chairman (1963-64) of CSC's Organic Chemistry Division; Chairman of CIC's Atlantic Section (1959-60 and 1971-72); Chairman of APICS Chemistry Subcommittee (1963-64) and became a CIC Fellow in 1965.

Barclay's early research interests were the mechanisms of rearrangement of alkyl-benzenes, and the chemistry and photochemistry of strained and sterically hindered aromatic compounds. Current research activities include studies of free radical rearrangements, kinetics of peroxidation of lipids in micelles and in model biomembranes and the activities of synthetic and natural protective antioxidants such as vitamins E and C.

Honorary Member/Membre titulaire honoraire
The Canadian Society for Chemistry/ La Société canadienne de chimie



Harry E. Gunning, FCIC
Edmonton

Honorary membership is granted by the Canadian Society for Chemistry for recognition of special service.

Harry Gunning began his academic career at the University of Toronto, receiving a bachelor's (1939), master's (1940) and PhD (1942) in chemistry. He then went on to Harvard University, studying there as a postdoctoral fellow (1942-43). In 1957, Gunning joined the University of Alberta (Edmonton) as professor and chairman of the chemistry department, a position he held until 1974. He was also Killam Memorial Professor of Chemistry from 1968-81. Next stop for Gunning was the presidency of the University of Alberta (1974-79).

He has served, and is serving on: the Alberta Department of Transportation Advisory Committee on Water, the Board of Directors of the Alberta Oil Sands Technology Research Authority, the CBC Advisory Board on Science and Technology, the Board of Directors of the National Research Council, the Editorial Board of the Canadian Journal of Research, and a director of the Steacie Memorial Trust Fund. Currently, Gunning is a consultant to the Alberta Department of Economic Development, is CEO of Chembiomed Ltd. (Edmonton) and president of his own consulting firm, HEG Consultants Ltd. Six universities have awarded Gunning honorary degrees, and he was made an Officer in the Order of Canada (1979). Alberta has given him two provincial achievement awards (1974 and 1979). Gunning also received the CIC Medal during Canada's centennial year. Gunning was President of The Chemical Institute of Canada in 1973-74.

Pestcon Graduate Scholarship/
Bourse d'études Pestcon

The Pestcon Graduate Scholarship was established in 1987 from surplus funds generated by the VIth International Congress of Pesticide Chemistry, held in Ottawa in August of 1986. The Scholarship is open to Canadian Students for graduate study in any areas of pesticide research, including alternative pest control strategies.

The winner of the Pestcon Graduate Scholarship for 1992 is Scott Briscoe of McGill University. The title of his research project is: "Use of E. coli lux A, B Gene-Fusion Library to Elucidate Molecular Mechanisms of Genetic Responses to Common Pesticides".

FAX TRANSMITTAL SHEET

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
Telephone 414 962 5169
FAX 414 962 8322

October 21, 1993

TO: Dr. Anne Alper, MCIC
Executive Secretary
Canadian Society for Chemistry FAX 613 232 5862

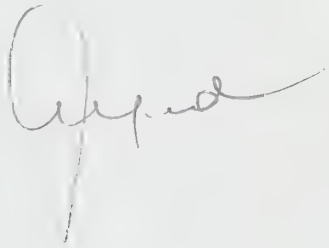
Dear Anne:

Thank you for yesterday's fax. Isabel and I look forward to being with you in your office at 11 a.m. on Thursday, October 28th, and we will be happy to join you and Howard for lunch.

Incidentally, I am giving all sorts of lectures at Concordia, McGill, Queen's and the University of Toronto and have left Ottawa completely free for a few days holiday. My best talk is on Josef Loschmidt--The Father of Molecular Modelling. Might Howard like me to give a talk in his department? If so, I will need two projectors and two screens.

I am sorry that we gave you the telephone number of Marion Dick's daughter in Toronto. Marion's telephone number is listed under "James Dick" as 225 7909.

Best regards to you and Howard,



Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

October 6, 1993

Dr. Anne E. Alper, MCIC
Executive Secretary
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

In response to your letter of September 30th, we look forward to meeting at your office on Thursday, October 28th. Please just leave word with Isabel's sister, Mrs. Marion Dick, so she can let us know at what time we should be there. Her telephone number is 236 9011.

Best regards from house to house.

Sincerely,

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

October 6, 1993

Dr. Anne E. Alper, MCIC
Executive Secretary
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

In response to your letter of September 30th, we look forward to meeting at your office on Thursday, October 28th. Please just leave word with Isabel's sister, Mrs. Marion Dick, so she can let us know at what time we should be there. Her telephone number is 236 9011.

Best regards from house to house.

Sincerely,

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

October 4, 1993

Dr. T. W. Swaddle
Department of Chemistry
University of Calgary
2500 University Drive, N.W.
Calgary, Alberta T2N 1N4
Canada

Dear Dr. Swaddle:

In response to your letter of September 24th, I have already written to Dr. Anne Alper to inquire whether I may visit with her when we are in Ottawa during the last week of October.

I was taken aback by the shortfall because I distinctly remember suggesting to the Canadian Society for Chemistry that it purchase long-term Canadian bonds, which at that time yielded well over 10%.

Now the problem is finding a way to correct what was done.

Best wishes.

Sincerely,

c: Dr. Anne Alper

THE UNIVERSITY OF CALGARY

2500 University Drive N.W., Calgary, Alberta, Canada T2N 1N4

Faculty of SCIENCE
Department of CHEMISTRY

Telephone (403) 220-5341
Facsimile (403) 289-9488

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
U.S.A.

1993-09-24

Dear Dr. Bader:

Thank you very much for your letter of July 30, in response to mine concerning the shortfall in funding of the Alfred Bader Award in Organic Chemistry. I am sorry that my letter clearly caused you some dismay - all I can say is that the same interest-related problems are causing sharp cutbacks in awards by other distinguished organizations such as the ACS Petroleum Research Fund, so perhaps the CSC might be forgiven for what in retrospect may seem to be financial short-sightedness. In any event, I was pleased to note that you may have some suggestions to make in October or November.

At this time, I am writing simply to let you know that I will be at the School of Chemistry, University of Melbourne, Parkville, Victoria 3052, Australia [fax: (613) 347 5180] from now until Christmas. If you wish, you may contact me there. I will be back in Calgary on January 18, 1994.

Alternatively, you may find it more convenient to correspond with Dr. Anne Alper at CSC Head Office - I will establish an E-mail connection with Head Office once I am settled in Melbourne, so that Anne or Diane Goltz will be able to relay information to me very quickly and efficiently.

Yours sincerely,

Tom Swaddle

T.W. Swaddle
Director, Awards and Distinctions
Canadian Society for Chemistry

cc: Dr. Anne Alper
Ms. Diane Goltz

Canadian Society for Chemistry
Société Canadienne de Chimie

September 30, 1993

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
53211, USA

Dear Alfred:

Thank you for your letter of September 7, 1993 regarding the Bader Award. Please excuse my delay in responding. I was waiting to determine whether or not a meeting would keep me away from Ottawa during your visit and can now confirm that I will be in the office on Thursday, October 28.

I was pleased to learn that you wished to discuss the current situation of the Bader Award. It would be useful to include Diane Goltz, who is responsible for administering our awards, and Jacquie Estabrooks, the accountant, in our discussions. Please let me know if you are able to come to our office on October 28 or whether an alternate location would be more convenient and what time is best for you.

I look forward to hearing from you and seeing you in Ottawa.

Sincerely yours,

A.E. Alper, MCIC
Executive Secretary

AA/ra

cc. D. Goltz
J. Estabrooks

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

September 27, 1993

Dr. Anne E. Alper, MCIC
Executive Secretary
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

Isabel and I look forward to being in Ottawa from the 27th to the 30th of October, and I am wondering if you could select a time for us to visit with you to discuss the funding of the Bader Award.

All good wishes to you and Howard.

Sincerely,

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

September 7, 1993

Dr. Anne Alper, MCIC
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2, Canada

Dear Anne:

I plan to be in Ottawa from the 28th to 30th of October.

May I visit with you to discuss the worrisome situation about the Bader Award?

Best regards to you and Howard.

As always,

Canadian Society for Chemistry
Société Canadienne de Chimie

August 18, 1993

Dr. Alfred R. Bader
2961 North Shepard Ave.
Milwaukee, Wisconsin
53211

Dear Alfred:

Thank you for sending me a copy of your letter to Dr. Tom Swaddle, CSC Director, Awards, regarding the Alfred Bader Award in Organic Chemistry. There is one point which may require clarification. In your letter you mention discussing the problem of the declining revenue available for the award with Mr. Thomas Thayer of Queen's University. The funds for the CSC award are held in investments by the Canadian Society for Chemistry not by Queen's. An audited statement is sent to you each year. In case you did not receive the 1993 statement, a copy is enclosed. The funds for the Alfred Bader Scholarships, awarded by the Society, are held by Queen's which provides funds annually for the scholarships. Please contact me if you have any questions about this.

You mention in your letter that you will be visiting Queen's this fall. Please let me know if you plan to be in Ottawa as well. It would be good to see you and Isabel.

Sincerely yours,

A.E. Alper, MCIC
Executive Secretary

AA/ra
Encl.
cc. T. Swaddle, FCIC, Director of Awards
D. Goltz, Program Manager, Conferences, Awards and Divisions
J. Estabrooks, CIC Accountant

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

CANADIAN SOCIETY FOR CHEMISTRY

ALFRED BADER AWARD FUND

BALANCE SHEET

AS AT DECEMBER 31, 1991

ASSET	1991	1990
Accrued interest receivable	$ 735	$ 900
Deposit certificate	38,688	38,688
Due from The Chemical Institute of Canada	4,969	5,078
	$44,392	$44,666
EQUITY		
BALANCE - BEGINNING OF YEAR	$44,666	$44,605
Interest on investments	3,633	3,966
	48,299	48,571
Expenses - administration	250	250
- award	3,000	3,000
- framed scroll	157	155
- travel	500	500
	3,907	3,905
BALANCE - END OF YEAR	$44,392	$44,666

NOTE TO FINANCIAL STATEMENT

DECEMBER 31, 1991

SIGNIFICANT ACCOUNTING POLICY

Accrual Basis of Accounting

Revenue and expenses are recorded on the accrual basis, whereby they are reflected in the accounts in the period in which they have been earned and incurred respectively, whether or not such transactions have been finally settled by the receipt or payment of money.

Approved by:

_____

Treasurer

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

July 30, 1993

Dr. T. W. Swaddle, FCIC
Department of Chemistry
University of Calgary
Calgary, Alberta
Canada T2N 1N4

Dear Dr. Swaddle:

I am sorry that a long trip to Europe has delayed my replying to your worrisome letter of June 11th.

When I gave the capital for the Alfred Bader Award in Organic Chemistry, I thought that the funds would be invested long-term in such a way that the income would suffice for many years.

I appreciate the CIC's help in making up the shortfall of $874 so that the award will still be $3000 in 1994.

I am reluctant to reduce the award to $2000 or to have it given less often. I plan to be at Queen's University late this October or early November and would then like to discuss the problem with Mr. Thomas Thayer who is in charge of investments at Queen's, to see what can be done to cure the shortfall.

I will write to you again after my discussion with Mr. Thayer.

Sincerely,

c: Mr. Thomas Thayer
Dr. Anne Alper

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

July 30, 1993

Mr. Thomas Thayer
Queen's University
Kingston, Ontario
Canada K7L 3N6

Dear Tom:

I am rather taken aback by the enclosed correspondence with the CIC and look forward to discussing this with you during my next visit to Queen's.

Best wishes.

Sincerely,

Enclosures
c: Dr. Anne Alper
Dr. T. W. Swaddle

9/25
BET

Canadian Society for Chemistry
Société Canadienne de Chimie

Department of Chemistry
The University of Calgary
Calgary, Alberta, Canada T2N 1N4

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
U.S.A.

1993-06-11

Dear Dr. Bader:

It gives me great pleasure to inform you that Dr. E. Piers, of the University of British Columbia, is the winner of the Alfred Bader Award in Organic Chemistry for 1994.

As you know, this is the Canadian Society for Chemistry's most prestigious award in the area of organic chemistry, carrying as it does a prize of $3,000 plus a scroll and a possible contribution of up to $500 toward the winner's travel expenses. Unfortunately, the sharp decline in interest rates in Canada recently has reduced the income from the Award's deposit certificate to the point where there is a shortfall of $874 in the award's finances for the present year.

The CSC Board agreed last week to make up this shortfall from general revenues this year and next, so that the value of the award will still be $3,000 for 1994. In the future, however, this will not be possible, so that, unless there is some unforeseen development such as a return to relatively high interest rates, we shall have to consider some alternative measures.

The Board has therefore asked me to seek your permission to amend the terms of reference of the Alfred Bader Award, either to reduce the cash value of the award to $2,000 effective with the 1995 competition, or to offer the award less often than every year if the financial situation of the day so dictates. The former approach would put the cash value of the Alfred Bader Award at par with the CSC's other leading awards, whereas the latter action would retain the award's premier status and presumably result in an even stiffer competition after each one-year hiatus. I prefer the latter, but I would be very pleased if you could offer alternative ideas.

Yours sincerely,

Tom Swaddle

T.W. Swaddle, FCIC
Director, Awards and Distinctions

cc: Ms. D. Goltz

The Chemical Institute of Canada

Suite 550, 130 Slater Street,
Ottawa, Ontario
K1P 6E2

№ 1830

TO: Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
USA 53211

July 21, 1993

ADVICE ONLY - DO NOT PAY

QUANTITY	DESCRIPTION	GROSS	NET
	1993 Bader Award - Winner: Sneickus Award 3000.00 Travel 500.00 Framed Scroll 152.40 Admin. 250.00	$3902.40	
	N.B. There was only $3527.35 in the earned revenue account as at this date. We will receive another $2500.00 in interest in October 1993. At current interest rates the investment is not earning sufficient to cover these expenses.		

IMPORTANT: Please return one copy of this invoice with your cheque, or refer to Invoice No.

Canadian Society for Chemistry
Société Canadienne de Chimie

Department of Chemistry
The University of Calgary
Calgary, Alberta, Canada T2N 1N4

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
U.S.A.

1993-06-11

Dear Dr. Bader:

It gives me great pleasure to inform you that Dr. E. Piers, of the University of British Columbia, is the winner of the Alfred Bader Award in Organic Chemistry for 1994.

As you know, this is the Canadian Society for Chemistry's most prestigious award in the area of organic chemistry, carrying as it does a prize of $3,000 plus a scroll and a possible contribution of up to $500 toward the winner's travel expenses. Unfortunately, the sharp decline in interest rates in Canada recently has reduced the income from the Award's deposit certificate to the point where there is a shortfall of $874 in the award's finances for the present year.

The CSC Board agreed last week to make up this shortfall from general revenues this year and next, so that the value of the award will still be $3,000 for 1994. In the future, however, this will not be possible, so that, unless there is some unforeseen development such as a return to relatively high interest rates, we shall have to consider some alternative measures.

The Board has therefore asked me to seek your permission to amend the terms of reference of the Alfred Bader Award, either to reduce the cash value of the award to $2,000 effective with the 1995 competition, or to offer the award less often than every year if the financial situation of the day so dictates. The former approach would put the cash value of the Alfred Bader Award at par with the CSC's other leading awards, whereas the latter action would retain the award's premier status and presumably result in an even stiffer competition after each one-year hiatus. I prefer the latter, but I would be very pleased if you could offer alternative ideas.

Yours sincerely,

Tom Swaddle

T.W. Swaddle. FCIC
Director, Awards and Distinctions

cc: Ms. D. Goltz

Canadian Society for Chemistry
Société Canadienne de Chimie

July 23, 1993

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

Please find enclosed a financial advice reporting on the travel expenses incurred by Dr. Victor Snieckus as well as the administrative expenses for the 1993 Alfred Bader Lecture Award.

Thank you for your generous contribution.

Should you require additional information, please do not hesitate to contact me.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

Att.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

The Chemical Institute of Canada

Suite 550, 130 Slater Street,
Ottawa, Ontario
K1P 6E2

№ 1830

TO: Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
USA 53211

July 21, 1993

ADVICE ONLY - DO NOT PAY

QUANTITY	DESCRIPTION	GROSS	NET
	1993 Bader Award - Winner: Sneickus Award 3000.00 Travel 500.00 Framed Scroll 152.40 Admin. 250.00	$3902.40	
	N.B. There was only $3527.35 in the earned revenue account as at this date. We will receive another $2500.00 in interest in October 1993. At current interest rates the investment is not earning sufficient to cover these expenses.		

IMPORTANT: Please return one copy of this invoice with your cheque, or refer to Invoice No.

The Chemical Institute of Canada

Suite 550, 130 Slater Street,
Ottawa, Ontario
K1P 6E2

1830

TO:

QUANTITY	DESCRIPTION	GROSS	NET

IMPORTANT: Please return one copy of this invoice with your cheque, or refer to Invoice No.

Canadian Society for Chemistry
Société Canadienne de Chimie

July 6, 1993

Ms. Sue Bay
11707-27th Avenue
Edmonton, AB T6J 3N7

Dear Ms. Bay:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1993.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great friend of Queen's University. The responsibility for the administration of these funds has been given to the University.

Before too long, you will be presented with a cheque for $1000.

I would appreciate receiving from you a short biographical sketch and a photograph (head and shoulders shot) for publicity purposes by August 15, 1993.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. ✓ Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Chair, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. Byron Kratochvil, FCIC, Chair, Dept. of Chemistry, University of Alberta
Dr. Thomas Swaddle, FCIC, CSC Director, Awards

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

July 6, 1993

Miss Christine Bradaric
79 Glen Cannon Dr.
Stoney Creek, ON L8G 4E2

Dear Miss Bradaric:

It is a pleasure to advise you that you have been selected as a winner of one of the Alfred Bader Scholarships for 1993.

The funds to endow this award have been provided by Dr. Alfred A. Bader, who is a great friend of Queen's University. The responsibility for the administration of these funds has been given to the University.

Before too long, you will be presented with a cheque for $1000.

I would appreciate receiving from you a short biographical sketch and a photograph (head and shoulders shot) for publicity purposes by August 15, 1993.

Please accept congratulations and best wishes for continued academic success.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards,
Conferences and Divisions

c.c. ✓ Dr. Alfred Bader
Dr. J.A. Stone, FCIC, Chair, Dept. of Chemistry and Engineering Chemistry, Queen's University
Dr. B. McCarry, FCIC, Chair, Dept. of Chemistry, McMaster University
Dr. Thomas Swaddle, FCIC, CSC Director, Awards

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

June 21, 1993

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

The Canadian Society for Chemistry is pleased to have Alfred Bader sponsor the Alfred Bader Lecture Award. Thank you for your kind generosity.

I am pleased to provide you with a photograph of the award presentation which took place at the 76th Canadian Society for Chemistry Conference and Exhibition in Sherbrooke, Quebec on June 2, 1993. In 1993, Dr. Anne Alper, CIC Executive Director, presented the award to Dr. Victor Snieckus. I also enclose a copy of the awards booklet provided to all delegates attending the 76th CSC Conference.

Finally, the 1994 selection has already taken place and the name of the winner is indicated in the attached letter.

I gratefully acknowledge your important contribution to the Canadian Society for Chemistry.

Please do not hesitate to call me if you require additional information.

Sincerely,

Diane Goltz

Diane Goltz
Program Manager, Awards

Att.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862


76
BIENVENUE -

9/23
BOX

Canadian Society for Chemistry
Société Canadienne de Chimie

Department of Chemistry
The University of Calgary
Calgary, Alberta, Canada T2N 1N4

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
U.S.A.

1993-06-11

Dear Dr. Bader:

It gives me great pleasure to inform you that Dr. E. Piers, of the University of British Columbia, is the winner of the Alfred Bader Award in Organic Chemistry for 1994.

As you know, this is the Canadian Society for Chemistry's most prestigious award in the area of organic chemistry, carrying as it does a prize of $3,000 plus a scroll and a possible contribution of up to $500 toward the winner's travel expenses. Unfortunately, the sharp decline in interest rates in Canada recently has reduced the income from the Award's deposit certificate to the point where there is a shortfall of $874 in the award's finances for the present year.

The CSC Board agreed last week to make up this shortfall from general revenues this year and next, so that the value of the award will still be $3,000 for 1994. In the future, however, this will not be possible, so that, unless there is some unforeseen development such as a return to relatively high interest rates, we shall have to consider some alternative measures.

The Board has therefore asked me to seek your permission to amend the terms of reference of the Alfred Bader Award, either to reduce the cash value of the award to $2,000 effective with the 1995 competition, or to offer the award less often than every year if the financial situation of the day so dictates. The former approach would put the cash value of the Alfred Bader Award at par with the CSC's other leading awards, whereas the latter action would retain the award's premier status and presumably result in an even stiffer competition after each one-year hiatus. I prefer the latter, but I would be very pleased if you could offer alternative ideas.

Yours sincerely,

Tom Swaddle

T.W. Swaddle, FCIC
Director, Awards and Distinctions

cc: Ms. D. Goltz

The Chemical Institute of Canada

Suite 550, 130 Slater Street,
Ottawa, Ontario
K1P 6E2

№ 1830

TO: Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
USA 53211

July 21, 1993

ADVICE ONLY - DO NOT PAY

QUANTITY	DESCRIPTION	GROSS	NET
	1993 Bader Award - Winner: Sneickus		
	Award 3000.00 Travel 500.00 Framed Scroll 152.40 Admin. 250.00	$3902.40	
	N.B. There was only $3527.35 in the earned revenue account as at this date. We will receive another $2500.00 in interest in October 1993. At current interest rates the investment is not earning sufficient to cover these expenses.		

IMPORTANT: Please return one copy of this invoice with your cheque, or refer to Invoice No.

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

July 30, 1993

Dr. T. W. Swaddle, FCIC
Department of Chemistry
University of Calgary
Calgary, Alberta
Canada T2N 1N4

Dear Dr. Swaddle:

I am sorry that a long trip to Europe has delayed my replying to your worrisome letter of June 11th.

When I gave the capital for the Alfred Bader Award in Organic Chemistry, I thought that the funds would be invested long-term in such a way that the income would suffice for many years.

I appreciate the CIC's help in making up the shortfall of $874 so that the award will still be $3000 in 1994.

I am reluctant to reduce the award to $2000 or to have it given less often. I plan to be at Queen's University late this October or early November and would then like to discuss the problem with Mr. Thomas Thayer who is in charge of investments at Queen's, to see what can be done to cure the shortfall.

I will write to you again after my discussion with Mr. Thayer.

Sincerely,

c: Mr. Thomas Thayer
Dr. Anne Alper

Canadian Society for Chemistry
Société Canadienne de Chimie

June 10, 1993

Dr. Edward Piers, FCIC
Department of Chemistry
University of British Columbia
2036 Main Mall
Vancouver, BC V6T 1Z1

Dear Dr. Piers:

As President of the Canadian Society for Chemistry, I am very pleased to inform you that you have been selected as the winner of the Alfred Bader Award for 1994. This award recognizes excellence in research in organic chemistry. It consists of a scroll and a cash prize of $3000.00 and is presented through the generosity of Alfred Bader.

As the recipient of this award, you are required to present a lecture on the topic of your choice at the next annual Canadian Society for Chemistry Conference and Exhibition. The next conference will be held in Winnipeg, Manitoba, from May 29 to June 2, 1994. I understand the deadline for abstracts is January 10, 1994.

The National Office, c/o Diane Goltz, Program Manager, Awards, would appreciate receiving a photograph and short biographical sketch by August 10, 1993 for publicity purposes and will be in touch with you again in the new year to provide you with more details regarding the award presentation. You may refer to the attached awards booklet for an example of the type of biographical information required.

May I extend to you my warmest congratulations and best wishes on winning this prestigious award.

Yours sincerely,

Allen Krantz, MCIC
President, Canadian Society for Chemistry

c.c. ✓ Dr. Alfred Bader
Dr. Peter Legzdins, FCIC, Chair, Dept. of Chemistry, University of British Columbia
Dr. N. Sagert, FCIC, Chair, 1994 CSC Conference
Dr. N. Hunter, FCIC, Program Chair, 1994 CSC Conference

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862

Canadian Society for Chemistry
Société Canadienne de Chimie

May 19, 1993

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin
53211

Dear Alfred:

Thank you for your letter of May 6. I was disappointed to learn that you will not be able to be in Sherbrooke in June to present the Alfred Bader Award to Victor Snieckus. It will be an honor and a pleasure to present the award to Victor on your behalf.

I hope you and Isabel are well and have an enjoyable trip to Europe. Howard and I look forward to seeing you in Ottawa in November.

Sincerely yours,

A.E. Alper, MCIC
Executive Secretary

AA/ra

cc. Diane Goltz, Program Manager Awards

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Dr. Alfred R. Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

May 6, 1993

Dr. Anne Alper
Executive Director
Canadian Society for Chemistry
130 Slater Street, Suite 550
Ottawa, Ontario K1P 6E2
Canada

Dear Anne:

I am so happy to note that one of Canada's ablest chemists, Victor Snieckus, will be given the Alfred Bader Award in Sherbrooke in June.

Unfortunately, I will be in Germany and people at Aldrich are not longer permitted to present the Alfred Bader Award. Hence, I would very much like to ask you once again to present it for me. Isabel and I much look forward to being in Ottawa early in November and hope then to have a chance to thank you personally.

All good wishes to you and Howard.

Sincerely,

c: Dr. Stephen Branca

Canadian Society for Chemistry
Société Canadienne de Chimie

April 21, 1993

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

On behalf of the Canadian Society for Chemistry, I would like to thank you for your sponsorshop of the Alfred Bader Lecture Award.

I also wish to inform you that the new deadline for all awards of The Chemical Institute of Canada, the Canadian Society for Chemistry and the Canadian Society for Chemical Technology is February 1 for the following year's selection. Therefore, the next deadline is February 1, 1994 for the 1995 selection. I enclose a copy of the revised terms of reference for the Alfred Bader Lecture Award, which indicates the new deadline; a copy of the condensed terms of reference for all awards as well as a copy of the revised awards nomination form which should facilitate the process of award nomination and selection.

I am also pleased to provide you with a photograph of the award presentation which took place at the 1992 Canadian Chemical Conference in Edmonton on June 1, 1992. In 1992, Dr. Anne Alper, CIC Executive Director, presented the award to Dr. J. Bryan Jones. A full report (copy attached) on the 75th Canadian Chemical Conference in Edmonton appeared in the October issue of "Canadian Chemical News". The awards presentations are featured on pages 22, 23 and 24.

Finally, I am providing you with a copy of the travel guidelines provided to Dr. Snieckus, for your information.

If I can provide you with more information concerning the banquet or any other matter, please contact me.

I will be in touch with you one more time prior to the conference to provide you with a copy of the protocol for the presentation of the awards as well as a booklet of 1993 award winners.

Sincerely,
Diane Goltz
Diane Goltz
Program Manager, Awards
Att.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

Canadian Society for Chemistry
Société Canadienne de Chimie

April 21, 1993

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

I am pleased to provide you with information regarding the awards banquet and social taking place during the 76th Canadian Society for Chemistry Conference and Exhibition on Wednesday, June 2 at 19:30 in the Sherbrooke Room at the Delta Convention Centre in Sherbrooke, Quebec. I would like to take this opportunity to acknowledge the contribution of BioChem Thérapeutique towards this banquet and to thank you for your continued support.

The Chemical Institute of Canada and its constituent societies are honoured to invite you and a guest, to the President's reception, a special reception for award winners, sponsors, accompanying persons and Society officers, which will take place at 18:30 in the "Lac des Nations" Room at the Delta Convention Centre (a floor plan can be found in the conference program attached). During this reception, you will be introduced to the Alfred Bader Lecture Award winner, Dr. Victor Snieckus. Informal photographs will be taken and a banquet seating arrangement will be available for reference.

At 19:20, we will proceed into the Sherbrooke Room for the awards banquet and social. Dinner will commence at 19:40 and Dr. Carmel Jolicoeur, Conference Chair and the Master of Ceremonies, will welcome everyone to the banquet. As dessert and coffee are being served, the award presentations will begin. The CIC awards will be presented first followed by the CSCT and CSC awards. The CIC President will introduce in turn each CIC award winner and sponsor and the presentation by the sponsor representative will be made; subsequently, the CSCT President will do the same for the CSCT awards and finally the presentation of the CSC awards will take place in a similar manner.

As the Alfred Bader Lecture Award is announced, you are kindly asked to come forward to present it to Dr. Victor Snieckus. A photographer will take pictures of this presentation and you would then return to your table. Unfortunately, due to limited time, award winners and sponsor representatives will not have the opportunity to speak.

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2 TELEPHONE (613) 232-6252 FAX: (613) 232-5862
A CONSTITUENT SOCIETY OF THE CHEMICAL INSTITUTE OF CANADA
UNE SOCIÉTÉ CONSTITUANTE DE L'INSTITUT DE CHIMIE DU CANADA

After dinner entertainment will be provided by the musical group "Le Quator" until 12:00 or later.

If you have not already done so, I would urge you to book your hotel room as soon as possible in order to accommodate your first choice in hotel. A hotel reservation form can be found in the enclosed conference program on page 78.

The awards banquet and social tickets will be provided to you at the conference information desk located in the registration area. Please ask for me.

I look forward to your favourable response. Please do not hesitate to call me if you require additional information.

Yours sincerely,

Diane Goltz

Diane Goltz
Program Manager,
Awards, Conferences
and Divisions

Att.

The Alfred Bader Award in Organic Chemistry

(Established 1988)

1. The Award shall be known as *the Alfred Bader Award in Organic Chemistry.*

2. The Award will be presented as a mark of distinction and recognition to a scientist for excellence in research in organic chemistry carried out in Canada.

3. The scientist shall not have reached the age of 60 years by January 1 of the year in which the nomination becomes effective.

4. The award shall be presented annually unless the Committee considers that no suitable candidate has been nominated.

5. The Award Selection Committee shall consist of the Director of Distinctions and Awards of the Canadian Society for Chemistry as Chairman, and three persons appointed by the Organic Chemistry Division, serving for three-year terms. No two members of the Committee may be from the same organization or institution and at least one must be from a non-university sector. The terms of the initial three appointments will be for three, two and one years.

   No member of this Committee, other than the Chairman, may serve on any other CSC or CIC Award Selection Committee while serving on this Committee.

6. The award shall be presented at the annual Canadian Chemical Conference. The recipient will be required to present an award address at the conference.

7. A paper based on the award address should be submitted to both Aldrichimica Acta and Canadian Chemical News/L'Actualité chimique canadienne.

8. The award shall consist of a cash prize of $3000 and a scroll. The recipient will also receive travelling expenses to attend the conference to a maximum of $500.

9. The funds to endow this award have been provided by Alfred Bader. The administration of these funds shall be the responsibility of the Canadian Society for Chemistry. In the event that the Canadian Society for Chemistry ceases to exist or can no longer use the funds for this purpose, the funds shall revert to the Chemistry Department at Queen's University.

10. Nominations for the Award shall be submitted in writing through the Program Manager of Awards of the Canadian Society for Chemistry over the signatures of not fewer than three members of the Society. Nominations shall be submitted by February 1 of the preceding year and shall consist of a biographic sketch and a description of the contributions of the nominee. Nominations must be submitted in quadruplicate on the appropriate form.

11. All nominations shall remain in force for three years. The sponsors of any nominee are responsible for keeping the record of the nominee up to date and complete.

12. A Call for Nominations shall be made by the Program Manager of Awards of the Canadian Society for Chemistry to the Chairmen of all Local Sections of The Chemical Institute of Canada and published in the official publication of The Institute no later than December 1 prior to the deadline for receipt of nominations.

13. Administration of the award and amendments or alterations of these terms of reference are the responsibility of the Board of Directors of the Canadian Society for Chemistry.

Bader Award Recipients

1988	S. Hanessian	Design and Implementation of Tactically Novel Strategies for Stereochemical Control
1989	K.U. Ingold	At the Organic Chemistry/Bioscience Interface: Rate Processes in Complex Systems
1990	H. Alper	Metal Catalyzed Organic Reactions
1991	P. Deslongchamps	Transannular Diels-Alder on Macrocycles; A Powerful Synthetic Strategy
1992	J. Bryan Jones	Probing the Specificity of Synthetically Useful Enzymes
1993	V. Snieckus	Aromatic Metallation. Methodology and Synthetic Consequences.

THE CHEMICAL INSTITUTE OF CANADA
L'INSTITUT DE CHIMIE DU CANADA

130 SLATER STREET, SUITE 550, OTTAWA, ONTARIO, K1P 6E2
TELEPHONE (613) 232-6252 FAX: (613) 232-5862

1 March 1993

Canadian Lit
Rec

From: Jacqueline Estabrooks, CIC Accountant

To:

Alfred Bader, Donor of Alfred Bader Endowment

Please find enclosed 1992 Financial Statements as follows:

Comments:

for your records

McCAY, DUFF & COMPANY

CHARTERED ACCOUNTANTS

JOHN W. FRANKLIN, C.A.
THOMAS W. HOWARTH, C.A.
BRYAN E. SULLIVAN, C.A.
ALBERT G. MONSOUR, B.ADMIN., C.A.
BLAIR E. DAVIDSON, B.COMM., C.A.
G. WARREN TRICKEY, B.COMM., C.A.
ROBERT D. SHANTZ, B.MATH., C.A.

CONSULTANT - ELDREN E. McCONNELL, C.A.

330 McLEOD ST.
OTTAWA, ONT.
K2P 2C5
(613) 236-2367
1 (800) 267-6551
FAX: 236-5041

AUDITORS' REPORT

To the C.S.C. Treasurer
Alfred Bader Award Fund.

We have audited the balance sheet of the Alfred Bader Award Fund as at December 31, 1992. This financial statement is the responsibility of the Fund's management. Our responsibility is to express an opinion on this financial statement based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, this financial statement presents fairly, in all material respects, the financial position of the Fund as at December 31, 1992 in accordance with generally accepted accounting principles.

McCay, Duff & Co.
Chartered Accountants.

Ottawa, Ontario,
January 29, 1993.

CANADIAN SOCIETY FOR CHEMISTRY

ALFRED BADER AWARD FUND

BALANCE SHEET

AS AT DECEMBER 31, 1992

ASSETS	1992	1991
Accrued interest receivable	$ 568	$ 735
Deposit certificates	38,688	38,688
Due from The Chemical Institute of Canada	3,527	4,234
	$42,783	$43,657
EQUITY		
BALANCE - BEGINNING OF YEAR	$43,657	$43,931
Interest on investments	3,025	3,633
	46,682	47,564
Expenses - administration	250	250
- award	3,000	3,000
- framed scroll	151	157
- travel	498	500
	3,899	3,907
BALANCE - END OF YEAR	42,783	$43,657

NOTE TO FINANCIAL STATEMENT

3000

DECEMBER 31, 1992

SIGNIFICANT ACCOUNTING POLICY

Accrual Basis of Accounting

Revenue and expenses are recorded on the accrual basis, whereby they are reflected in the accounts in the period in which they have been earned and incurred respectively, whether or not such transactions have been finally settled by the receipt or payment of money.

Approved by:

Treasurer

42 x 8
336