



8th CANADIAN SYMPOSIUM ON THEORETICAL CHEMISTRY

8^e SYMPOSIUM CANADIEN SUR LA CHIMIE THEORIQUE

INTERNATIONAL CONFERENCE INTERNATIONALE

1983 August 7 - 12 août

Halifax, N.S.

CHAIRMAN

R.J. Boyd
Department of Chemistry
Dalhousie University
Halifax, N.S. B3H 4J3
Tel. (902) 424-8883

SECOND ANNOUNCEMENT

PRESIDENT

A.D. Bandrauk
Département de chimie
Université de Sherbrooke
Sherbrooke, P.Q. J1K 2R1
Tel. (819) 565-3562

The 8th Canadian Symposium on Theoretical Chemistry will be held August 7-12, 1983 at Dalhousie University, Halifax, Nova Scotia.

TECHNICAL PROGRAM

The program will include invited papers and contributed posters on the following topics:

ANALYTICITY - DILATION AND COMPLEX COORDINATES
COLLISION THEORY OF ATOMS AND MOLECULES
DENSITY FUNCTIONAL THEORY
MANY-BODY PROBLEM IN QUANTUM CHEMISTRY
MULTIPHOTON PROCESSES AND DYNAMICS IN INTENSE FIELDS
NONLINEAR DYNAMICS OF CONSERVATIVE AND DISSIPATIVE SYSTEMS
QUANTUM BIOLOGY AND THEORETICAL BIOPHYSICAL CHEMISTRY
RELATIVISTIC QUANTUM CHEMISTRY
SOLITONS IN DYNAMICS AND QUANTUM CHEMISTRY
STRUCTURE AND SURFACE CALCULATIONS

INVITED SPEAKERS

L.C. Allen (Princeton, USA)	R. Lefebvre (Orsay, France)
P. Brumer (Toronto, Canada)	R.J. LeRoy (Waterloo, Canada)
M.S. Child (Oxford, England)	G. Malli (Simon Fraser, Canada)
E. Clementi (IBM, USA)	J.P. Malrieu (Toulouse, France)
A. Dalgarno (Harvard Obs., USA)	C. Mavroyannis (NRC, Canada)
G.H.F. Diercksen (Max Planck, W. Germany)	C.W. McCurdy (Ohio State, USA)
W. Domcke (Heidelberg, W. Germany)	J.N. Murrell (Sussex, England)
T.F. George (Rochester, USA)	H. Nakamura (Inst. Molec. Sci., Japan)
W.A. Goddard III (Cal Tech, USA)	G. Nicolis (Brussels, Belgium)
F. Grein (New Brunswick, Canada)	R.G. Parr (North Carolina, USA)
N.C. Handy (Cambridge, England)	M.J. Rice (Xerox, USA)
B.R. Henry (Manitoba, Canada)	S.A. Rice (Chicago, USA)
G. Herzberg (NRC, Canada)	M. Shapiro (Weizmann Inst., Israel)
J.O. Hirschfelder (Wisconsin, USA)	I. Shavitt (Ohio State, USA)
R. Hoffmann (Cornell, USA)	B. Shizgal (British Columbia, Canada)
S. Huzinaga (Alberta, Canada)	R.L. Somorjai (NRC, Canada)
R.E. Kapral (Toronto, Canada)	A. Veillard (Strasbourg, France)
A. Kuppermann (Cal Tech, USA)	I. Wladawsky-Berger (IBM, USA)

CONTRIBUTED PAPERS

Contributed papers will be welcomed in all areas of theoretical chemistry. All contributed papers will be given in poster format. A two-minute summary of each poster will be presented to the entire conference. The title should be given on the registration form, and an abstract supplied on a separate sheet. All abstracts should be typed and include the title, authors (underline the speaker), affiliations and text of abstract. In order to reduce the cost of printing the abstracts it would be appreciated if the abstracts could be limited to about 17 cm in width and 12 cm in height. Abstracts should reach Halifax by June 1, 1983.

REGISTRATION FEES

The registration fee is \$160 Cdn (about \$130 US) if paid before June 1, 1983. Graduate students and post-doctoral fellows are eligible for a reduced fee of \$120. The registration fee includes full participation in the conference, the book of abstracts, complimentary coffee breaks, the reception on Sunday evening, and the lobster dinner on Thursday evening. A registration form is attached to this circular.

SOCIAL PROGRAM

The conference will open with a reception for all delegates and registered spouses at 8:00 p.m. on Sunday, August 7th in the Victorian Lounge of Shirreff Hall.

A cruise (by ticket only) on the Bluenose II, an accurate replica of the famous schooner shown on the Canadian dime, is planned for the evening of Tuesday, August 9th.

A lobster dinner will be held in the Great Hall of the Dalhousie University Faculty Club on Thursday, August 11th. An alternative meal will be available for those who do not wish to sample Atlantic Canada's famous crustacean. The dinner is included in the registration fee. Additional tickets may be purchased for \$25 per person.

GENERAL INTEREST PROGRAM FOR REGISTERED SPOUSES

One activity will be offered each day during the conference. These activities will be designed to introduce our visitors to some of the cultural and historical aspects of Halifax which is the capital city of Nova Scotia and the major population centre of the Atlantic Provinces. Each activity will include morning coffee, lunch or afternoon tea. The General Interest Program registration fee includes the Sunday evening reception and the Thursday evening lobster dinner.

In addition to the general interest program for registered spouses, information on harbour tours, walking tours and bus tours will be available at the Registration Desk. The conference organizers will be pleased to provide general information on the city of Halifax and the Atlantic Provinces of Canada. Some visitors may wish to take advantage of the variety of yachts which are available for charter.

ACCOMMODATION

Blocks of rooms have been booked on campus and at two hotels which are close to the centre of Halifax. Please use the attached accommodation reservation form to reserve the type of accommodation which best suits your requirements.

Shirreff Hall South and Oxford Streets

This charming residence, former home to several generations of young Dalhousian ladies, is within a five minute walk of the conference site. All major recreational facilities (50 m indoor swimming pool, indoor and outdoor tennis courts, squash and racketball courts, ice rink, etc.) are adjacent to the residence.

The rates are as follows:

Single room (with sink)	\$25 per night
Single room (without sink)	\$22 per night
Twin room (with sink)	\$36 per night (\$18 per person)
Twin room (without sink)	\$30 per night (\$15 per person)

The above rates include all bedding and towels, daily maid service, breakfast and parking.

Dresden Arms Motor Hotel 5530 Artillery Place

Located on a quiet street below historic Citadel Hill and adjacent to one of Halifax's more fashionable streets, the Dresden Arms is a contemporary 4-storey hotel which has been recently renovated. The hotel is about 1 km from the conference site. There will be no additional charge for one or two children under the age of 12, if the parents pay the twin rate. The rates are as follows:

Single (1 person, 1 bed)	\$50 per night
Double (2 persons, 1 bed)	\$55 per night
Twin (2 persons, 2 beds)	\$60 per night

These rates do not include breakfast .

Lord Nelson Hotel South Park and Spring Garden

The Lord Nelson offers historic decor and traditional hospitality in a central location which overlooks The Public Gardens, the oldest surviving formal Victorian Gardens in North America. The hotel is a pleasant 10-minute walk from the conference site. Children 14 years of age or under are free of charge when staying in the same room as their parents. The rates are as follows:

Single (1 person, 1 bed)	\$52 per night
Double (2 persons, 1 bed)	\$59 per night
Twin (2 persons, 2 beds)	\$59 per night

These rates do not include breakfast.

Please note:

All rates are currently subject to a Health Services Tax of 10%. Hotels will guarantee accommodation only if reservations are received by June 1, 1983, after which date reservations will be honoured only if space is available.

MEALS

Delegates may purchase meals on a cash basis at several sites on the Dalhousie University campus. Lunch and dinner will be available in the dining hall of Shirreff Hall at a flat rate of about \$4.00 and \$5.50, respectively. Each meal will include a salad bar, selection of hot dishes, beverages and a variety of desserts. Quantities will not be limited. Delegates are also welcome to visit the Dalhousie University Faculty Club where light snacks are available in the Earl of Dalhousie, a pub on the lower level, and full-course meals are available in the dining room. The Faculty Club maintains reciprocal relationships with many of its counterparts at other North American Universities. The cafeteria of the Student Union Building will serve salads, sandwiches, fast foods and complete meals to delegates. Most of Halifax's many fine restaurants are within 1 or 2 km of the University, while several fast food outlets are within 1 km of the conference site.

GENERAL INFORMATION

The technical sessions will be held in the Dalhousie Arts Centre from 8:45 am, Monday, August 8th through to midday, Friday, August 12, 1983. An evening session is planned for Monday, August 8th.

Direct air service to Halifax is available from Amsterdam, London, Boston, New York, Montreal, Toronto and other major Canadian cities.

Delegates may purchase daily or weekly passes to the Dalplex, a large recreational complex adjacent to Shirreff Hall.

REGISTRATION

The registration fee includes full participation in the conference, the book of abstracts, complimentary coffee breaks, the reception on Sunday evening and the lobster dinner on Thursday evening. Registration will take place on Sunday, August 7th from 1:00 p.m. to 8:00 p.m. in the Dalhousie Arts Centre and on Monday August 8th from 8:00 a.m. to 4:00 p.m.

Please complete the attached registration form and mail it, together with a bank draft, money order or cheque, payable in Canadian funds to the Symposium on Theoretical Chemistry. Please return the completed form to:

8th Canadian Symposium on Theoretical Chemistry
Department of Chemistry
Dalhousie University
Halifax, Nova Scotia B3H 4J3
Canada