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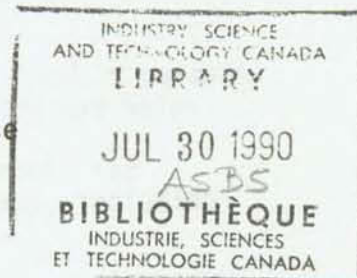
# NABST

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## THE NATIONAL ADVISORY BOARD ON SCIENCE AND TECHNOLOGY

The National Advisory Board on Science and Technology was established following the 1986 Speech from the Throne. The purpose of NABST is to advise the Prime Minister on how science and technology can be more effectively exploited in Canada.



### Excellence in Science and Technology

For Canadians, challenge has always been an opportunity for excellence. The determination and ingenuity of our men and women have bridged the distances of our vast land and conquered the elements of the northern part of this continent.

Advances in science and technology were crucial to the development of Canada: from the great Pacific Railway in one century, to the St. Lawrence Seaway in the next; from the Beaver aircraft to the Bombardier snowmobile, to the Anik Satellite. Canadian sovereignty was first based on the development of the communications and transportation infrastructure that tied us together as a people. Today, we are among the world leaders in space technology, and we are using these innovations to develop an even better understanding of our land and of ourselves.

Understanding ourselves -- where we have come from as a nation, and who we are as people -- is prerequisite to pursuing our national goals. Our goals in science and technology must be compatible with the Canadian social, economic and political consensus. Our research and development programs must serve the needs of an aging population, and accommodate the aspirations of our youth; our nation's greatest resource and hope for the future.

Today, the challenges we face as a nation are unprecedented in their magnitude. The rapid pace of technological change, coupled with increasingly competitive international markets, has threatened areas of traditional Canadian strength and placed a new set of demands on our governments, our industries and our educational system.

The opportunity to build on the accomplishments of the men and women who build this nation is there. There is potential for improving the lives of our people, for giving rise to new industries, and creating new and exciting jobs for our young people.

Our overriding national goal is to make Canada a knowledge and technology intensive country that celebrates excellence and the entrepreneurial spirit. This will require a diversification of the Canadian economy, changes in the way our educational institutions develop the skills of our people, and a rethinking of the role of government in encouraging the development of technology that serves all the people.

## Role of the National Advisory Board on Science and Technology

The role of the National Advisory Board on Science and Technology in pursuit of our national goal can be invaluable. Specifically, the Board can help:

- o advise on the appropriate use of government instruments for encouraging the development of science and technology, including statutes, budget measures and regulatory measures;
- o propose means to sensitize Canadians to the profound changes resulting from the technological revolution, and to help them make the necessary adjustments;
- o identify changes that may be required in our educational and training institutions;
- o develop methods by which government can assist industry in responding to the challenges of international competition;
- o advise on how best to coordinate the efforts of industry, labour, universities and government in pursuing national goals;
- o recommend priorities for the support of scientific disciplines, strategic technologies and national programs; and,
- o respond to specific questions or tasks assigned by the Prime Minister.

The Board is in place to advise the Prime Minister. The fact that he personally chairs it clearly underlines the priority the government attaches to building a stronger Canada through science and technology.

Canada is a country like no other, in both tangible and intangible ways. Our vision, our objectives, our strategies and our programs must therefore be uniquely Canadian.

Predicting the strategic areas of the future is a daunting task, one that cannot be undertaken with any hope of success by industry, universities or governments acting in isolation. The establishment of the Board reflects that reality.

## Membership

The National Advisory Board on Science and Technology is composed of eminent Canadians from the public and private sectors; from university, labour and the business community; from the fields of pure and applied research; from diverse philosophical and professional backgrounds; and, from all regions of the country.

<u>Name</u>	<u>Title and Organization</u>	<u>Province</u>
Stephen D. Acres	President, Biostar and Director, Veterinary Infectious Disease Organization University of Saskatchewan	Saskatchewan
Robert Alexander	Chief Executive Officer and Director, Microtel	British Columbia
Patricia Baird	Professor and Head, Department of Medical Genetics University of British Columbia	British Columbia
Gordon Baskerville *	Dean of Forestry University of New Brunswick	New Brunswick
Pierre Bélanger	Dean of Engineering McGill University	Quebec
Beverley Brennan *	Vice-President, Finance and Administration Philom Bios Inc.	Saskatchewan
William Arthur Cochrane *	Chairman and Executive Officer Connaught Laboratories Ltd.	Ontario
Jeannine David-McNeil	Professeur agrégé Ecole des hautes études commerciales	Quebec
François Duchesneau *	Full Professor Department of Philosophy Université de Montréal	Quebec
Yvon C. Dupuis	President Consultants Dutech Inc.	Quebec
Robert O. Fournier	Associate Vice-President (Research) Dalhousie University	Nova Scotia

Jean-Paul Gourdeau	Chairman of the Board and Chief Executive Officer SNC Group	Quebec
William G. Hutchison	President, William G. Hutchison and Co. Ltd.	Ontario
Léonard LeBlanc	Vice-recteur à l'enseignement et à la recherche Université de Moncton	New Brunswick
Julia Levy	Vice-President, R&D Immunology Quadra Logic Technologies Inc.	British Columbia
Pierre Lortie	Chairman, Chief Executive Officer and President, Provigo Inc.	Quebec
John MacDonald *	Chairman MacDonald Dettwiler and Associates Ltd.	British Columbia
James A. McCambly	President Canadian Federation of Labour	Ontario
L.R. (Lloyd) McGinnis	Chairman and Chief Executive Officer Wardrop Engineering Inc.	Manitoba
J. Fraser Mustard	President Canadian Institute for Advanced Research	Ontario
Peter J. Nicholson	Senior Vice-President and Executive Assistant to the Chairman The Bank of Nova Scotia	Ontario
Carol Phillips	National Representative Canadian Auto Workers Union	Ontario
Raymond R. Pinard *	Executive Vice-President and Chief Operating Officer, Domtar Inc.	Quebec

John C. Polanyi	Professor Department of Chemistry University of Toronto	Ontario
Gordon J. Politeski *	President and Chief Executive Officer Biomira Inc.	Alberta
Fred W. Pomeroy *	President Communications and Electrical Workers of Canada	Ontario
Alfred Powis *	Chairman and Chief Executive Officer Noranda Inc.	Ontario
Robert J. Richardson *	Company Director Robert J. Richardson Consultants Inc.	Quebec
John A. Roth	Executive Vice-President Product Line Management Northern Telecom Ltd.	Ontario
Marion Vaisey-Genser *	Associate Vice-President (Research) University of Manitoba	Manitoba
Norman E. Wagner	President University of Calgary	Alberta
Douglas T. Wright	President University of Waterloo	Ontario
Hugh R. Wynne-Edwards	Vice-President Research and Development Alcan International	Quebec
Victor L. Young	Chairman and Chief Executive Officer Fishery Products International Ltd.	Newfoundland

(\* members appointed in 1988)

## Executive

Prime Minister	Chairman
Minister of State (Science and Technology)	Deputy-Chairman
Dr. Fraser Mustard	Vice-Chairman
M. Pierre Lortie	Vice-Chairman
Chief Science Advisor	Secretary
Minister of Regional Industrial Expansion and	Ex-Officio
Minister of State for Science and Technology	
Minister of Finance	Ex-Officio
Clerk of the Privy Council	Ex-Officio
Chairman, Science Council of Canada	Ex-Officio
President, National Research Council of Canada	Ex-Officio
President, Natural Sciences and Engineering Research Council of Canada	Ex-Officio
President, Medical Research Council of Canada	Ex-Officio
President, Social Sciences and Humanities Research Council of Canada	Ex-Officio

NAME: Stephen D. Acres  
PLACE OF BIRTH: Penticton, British Columbia  
CURRENT WORK: President of BIOSTAR Inc. and Director of  
Veterinary Infectious Disease Organization,  
University of Saskatchewan  
EDUCATION: Doctor of Veterinary Medicine, Western  
College of Veterinary Medicine; Masters  
of Preventive Veterinary Medicine from the  
University of California; Ph.D. University  
of Saskatchewan  
CAREER BACKGROUND: Research and development on infectious  
diseases of food producing animals; became  
Director of Veterinary Infectious Disease  
Organization at the University of  
Saskatchewan and President of Biostar Inc.  
in 1984.

NAME: Robert Alexander  
PLACE OF BIRTH: Belleville, Ontario  
CURRENT WORK: Chief Executive Officer and Director,  
Microtel Ltd., Vancouver, B.C.  
EDUCATION: Carleton University, B.Eng. (Electronics);  
post-graduate studies in communications  
theory, University of Ottawa  
CAREER BACKGROUND: Career in communications electronics with  
Microtel, part of the BC Tel Group, Northern Telecom  
and its predecessor, Northern Electric R&D.



NAME: Patricia Baird  
PLACE OF BIRTH: Rochdale, England  
CURRENT WORK: Professor and Head, Department of Medical Genetics, University of British Columbia.  
EDUCATION: McGill University, B.Sc., M.D., C.M., F.R.C.P.(c)  
CAREER BACKGROUND: Physician and Human Geneticist  
University of British Columbia: Medical Consultant, Surveillance Registry, Ministry of Health: Member, Board of Governors, U.B.C.: Acting Director, Centre for Molecular Genetics: Member, Medical Research Council of Canada.

NAME: Gordon Baskerville  
PLACE OF BIRTH: Emerson, Manitoba  
CURRENT WORK: Dean of Forestry, University of New Brunswick  
EDUCATION: University of New Brunswick, B.Sc.F. Yale University (School of Forestry) Ph.D.  
CAREER BACKGROUND: Research Scientist, Maritimes Forest Centre, later Program Manager of Resources Research; Assistant Deputy Minister, Forest Resources, New Brunswick Department of Natural Resources; Professor and Dean, UNB Faculty of Forestry.

NAME: Pierre Bélanger  
PLACE OF BIRTH: Montreal, Quebec  
CURRENT WORK: Dean of Engineering, McGill University.  
EDUCATION: B.Eng., McGill University; S.M., Ph.D.,  
Massachusetts Institute of Technology,  
Cambridge, Massachusetts  
CAREER BACKGROUND: Assistant Professor, Electrical Engineering  
MIT; Systems analyst, The Foxboro Company;  
Associate Professor, later Professor and  
Chairman, Electrical Engineering, and Dean  
of Engineering, McGill University.

NAME: Beverley Brennan  
PLACE OF BIRTH: Melfort, Saskatchewan  
CURRENT WORK: Vice-President, Finance and Administration,  
Philom Bios Inc.  
EDUCATION: B. Comm., M.B.A. University of  
Saskatchewan  
Ordre des comptables agréés du Québec,  
Institute of Chartered Accountants of  
Saskatchewan  
CAREER BACKGROUND: Audit Staff, Touche Ross & Co; Lecturer  
(Accounting), University of Saskatchewan;  
Management Consulting, including Senior  
Management Consultant, with Deloitte  
Haskins & Sells; Corporate Controller,  
SED Systems; Director, Finance and  
Administration, Philom Bios Inc.

NAME: William Arthur Cochrane  
PLACE OF BIRTH: Toronto, Ontario  
CURRENT WORK: Chairman and Executive Officer,  
Connaught Laboratories Ltd.  
EDUCATION: M.D., University of Toronto  
LL.D. Dalhousie University, University of  
Calgary  
CAREER BACKGROUND: Dean of Medicine, University of Calgary,  
later President of the university;  
Deputy Minister of Health, Province of  
Alberta; Chairman, Institute of Child  
Health, Alberta; Chairman and Executive  
Officer, Connaught Laboratories Ltd.

NAME: Jeannine David-McNeil  
PLACE OF BIRTH: Montreal, Quebec  
CURRENT WORK: Professeur agrégé, Ecole des hautes  
études commerciales (Montréal)  
EDUCATION: Licence ès Sciences Commerciales, Ecole des  
hautes études commerciales; Diplôme d'Etudes  
supérieures, Economic Sciences, University  
of Paris; Doctorat d'Etat, Economic  
Sciences, University of Paris.  
CAREER BACKGROUND: Professor, Ecole des hautes études  
commerciales; Research and consultation on  
technology and the labour force; on planning  
for the needs of the workforce; on women in  
the workforce; on computerization of the  
workplace; Member of the Committee on Human  
Resources, Science and Technology Council,  
Government of Quebec.

NAME: François Duchesneau  
PLACE OF BIRTH: Montreal, Quebec  
CURRENT WORK: Full Professor, Département de philosophie  
Université de Montréal  
EDUCATION: Doctorat de troisième cycle en philosophie,  
(Paris-I); Doctorat d'Etat ès-lettres et  
sciences humaines (Paris-I)  
CAREER BACKGROUND: Earlier academic career at the Department of  
Philosophy, University of Ottawa, including a  
term as Vice-Dean of Graduate Studies; joined the  
Département de philosophie at the Université de  
Montreal in 1979; has served as Chairman of the  
Department since 1981.

NAME: Yvon C. Dupuis  
PLACE OF BIRTH: Montreal, Quebec  
CURRENT WORK: President, Consultants Dutech Inc.  
EDUCATION: B.Eng., Civil Engineering, McGill University  
B. Sc. Loyola College, Montreal  
CAREER BACKGROUND: Extensive experience in civil engineering  
and development projects in Canada and in  
developing countries; President, Canadian  
Council of Professional Engineers; Order of  
Engineers of Quebec, Interprofessional  
Council of Quebec.

NAME: Robert O. Fournier  
PLACE OF BIRTH: Fall River, Massachusetts, U.S.A.  
CURRENT WORK: Associate Vice-President (Research) and Professor of Oceanography, Dalhousie University.  
EDUCATION: B.S. (Biology), University of Rhode Island; M.A. (Biological Oceanography), College of William and Mary; Ph. D. (Biological Oceanography), University of Rhode Island.  
CAREER BACKGROUND: Various academic, research and advisory positions in the field of oceanography and marine biological research in the United States and Canada.

NAME: Jean-Paul Gourdeau  
PLACE OF BIRTH: Quebec, Quebec  
CURRENT WORK: Chairman of the Board and Chief Executive Officer, SNC Group, Montreal  
EDUCATION: Université Laval; Ecole Polytechnique, Université de Montréal, B.Sc. (Civil Engineering); Harvard University, M.Sc., Robert A. Taft Sanitary Engineering Centre, Cincinnati.  
CAREER BACKGROUND: Technical consultant to municipal authorities on waste treatment and water supply for Dept. of Health, Government of Quebec; Chief Engineer Municipal Division of Surveyer, Nenniger & Chenevert, later Director of Engineering, Vice President Operations, Executive Vice President; President and Chief Operating Officer, the SNC Group.

NAME: William G. Hutchison  
PLACE OF BIRTH: New Liskeard, Ontario  
CURRENT WORK: President, William G. Hutchison and Company Ltd., and Chairman and CEO of Telnor Holdings Ltd., North York, Ontario.  
EDUCATION: McGill University, B.Eng.  
CAREER BACKGROUND: Senior executive positions with Honeywell Ltd, and Consolidated Computer Inc.; successful, international marketing in international technology licensing; and the establishment of university-industry linkages; industrial policy analysis, and activities to transfer technology from government laboratories to industry (NRC). Member of the Board of Directors and Chairman of the National Advisory Council of the Canadian Advanced Technology Association; Director of Precarn and the Ontario Laser and Lightwave Centre; Governor, West Park Hospital and Director, West Park Hospital Foundation.

NAME: Léonard LeBlanc  
PLACE OF BIRTH: Dieppe, New Brunswick  
CURRENT WORK: Vice-recteur à l'enseignement et à la recherche, Université de Moncton  
EDUCATION: B.Sc., Université St-Joseph; Ph.D. (Physics), University of Notre-Dame.  
CAREER BACKGROUND: Professor of Physics, Université de Moncton; Dean, Science and Engineering, Université de Moncton.

NAME: Julia G. Levy  
PLACE OF BIRTH: Singapore  
CURRENT WORK: Professor of Microbiology, University of British Columbia; Vice President of Research and Development, Quadra Logic Technologies Inc., Vancouver, B.C.  
EDUCATION: University of B.C., B.A.; University College of London, Ph.D.  
CAREER BACKGROUND: Assistant Professor and Associate Professor at University of British Columbia (Microbiology).

NAME: Pierre Lortie  
PLACE OF BIRTH: Giffard, Quebec  
CURRENT WORK: Chairman, Chief Executive Officer and President of Provigo Inc., Montreal, Quebec  
EDUCATION: Université Laval, B.A.Sc.; Institut d'Adm. et de Gestion Université Louvain, Licence en Sciences économiques appliquées; University of Chicago, M.B.A.  
CAREER BACKGROUND: President and CEO of the Montreal Stock Exchange; Senior Partner SECOR Inc.; Director and Member of the C.D. Howe Institute; Member of Executive Committee and Director of the Canadian Chamber of Commerce; Director of the Canadian Institute for Advanced Research.

NAME: John MacDonald  
PLACE OF BIRTH: Prince Rupert, B.C.  
CURRENT WORK: Chairman, MacDonald Dettwiler and Associates Ltd.  
EDUCATION: Ph.D., Electrical Engineering, Massachusetts Institute of Technology  
CAREER BACKGROUND: Assistant Professor, Electrical Engineering, M.I.T.; Professor, U.B.C.; founder, President, CEO and later chairman, MacDonald Dettwiler and Associates Ltd.

NAME: James A. McCambly  
PLACE OF BIRTH: Airdrie, Alberta  
CURRENT WORK: President, Canadian Federation of Labour, Ottawa.  
EDUCATION: Labour Economics, Mount Royal College, Calgary.  
CAREER BACKGROUND: Extensive work in the labour movement in Alberta and later at the national level; first president of the Canadian Federation of Labour; former member Economic Council of Canada.



NAME: L.R. (Lloyd) McGinnis  
PLACE OF BIRTH: Roblin, Manitoba  
CURRENT WORK: Chairman and Chief Executive Officer,  
Wardrop Engineering Inc., Winnipeg,  
Manitoba.  
EDUCATION: B.Sc. (Civil Engineering), University of  
Manitoba; M.Sc. (Civil Engineering), Georgia  
Institute of Technology.  
CAREER BACKGROUND: Extensive experience in engineering projects  
in Canada and throughout the world;  
positions held at Wardrop include Project  
Engineer, Director, Public Works Engineering  
Director, Planning and Transportation  
Engineering, Director, and Vice President  
of the International Division; past Chairman,  
Canadian Chamber of Commerce.

NAME: J. Fraser Mustard  
PLACE OF BIRTH: Toronto, Ontario  
CURRENT WORK: President, Canadian Institute for Advanced  
Research; Professor, Department of Pathology  
McMaster University.  
EDUCATION: University of Toronto, M.D.  
Cambridge University Ph.D.  
CAREER BACKGROUND: Chairman, Department of Pathology, McMaster  
University, Dean and later Vice President  
for Health Sciences; Member: Commission on  
the future development of universities in  
Ontario; Premier's Council of Ontario;  
Director, Steel Company of Canada, Inc.; Board  
of Trustees, Advanced Systems Institute  
Foundation.

NAME: Peter J. Nicholson  
PLACE OF BIRTH: Halifax, Nova Scotia  
CURRENT WORK: Senior Vice-President and Executive Assistant to the Chairman, The Bank of Nova Scotia, Toronto, Ontario.  
EDUCATION: B.Sc., M.Sc. (Physics), Dalhousie University, Ph.D. (Operations Research), Stanford University, California.  
CAREER BACKGROUND: Assistant Professor, Dept. of Computer, Information and Control Sciences, University of Minnesota; Government of Canada, Depts. of Urban Affairs, Transport, and Regional Industrial Expansion, Ottawa; Member of Nova Scotia Legislature; Vice President, H.B. Nickerson & Sons; Consultant to Task Force on Atlantic Fisheries.

NAME: Carol Phillips  
PLACE OF BIRTH: Wales, U.K.  
CURRENT WORK: National representative and Director of Women's Department, Canadian Auto Workers Union (CAW-Canada), North York, Ontario.  
CAREER BACKGROUND: Chairperson of de Havilland's office bargaining unit; Head, Women's Bureau, Canadian Labour Congress (ICFTU); Board of Directors of Peace Fund Canada; Co-ordinator of Women's Programs for CAW-Canada; Vice President, Ontario Federation of Labour; Co-chair OFL Human Rights Committees; Ontario Council on University Affairs.

NAME: Raymond R. Pinard

PLACE OF BIRTH: Trois-Rivières, Québec

CURRENT WORK: Executive Vice-President and Chief  
Operating Officer, Domtar Inc.

EDUCATION: B.A. Laval University  
B.Sc. McGill University

CAREER BACKGROUND: Joined Domtar in 1955, has served as:  
General Manager, Kraft Pulp and Paper;  
General Manager and V.P. Pulp Division,  
Newsprint Division; President, Pulp and  
Paper Products Group; presently Executive  
Vice President and Chief Operating Officer.

NAME: John C. Polanyi

PLACE OF BIRTH: Berlin

CURRENT WORK: Professor, Department of Chemistry,  
University of Toronto

EDUCATION: Ph.D., Manchester University

CAREER BACKGROUND: Post-Doctoral Fellow, NRC; Research  
Associate, Princeton University; Lecturer,  
later full professor; Dept. of Chemistry,  
University of Toronto; Nobel laureate.

NAME: Gordon J. Politeski  
PLACE OF BIRTH: Humboldt, Saskatchewan  
CURRENT WORK: President and Chief Executive Officer,  
Biomira Inc.  
EDUCATION: B.Sc. Chemistry-Biology,  
University of Saskatchewan  
CAREER BACKGROUND: Manager, Pharmaceutical Division,  
Pharmacia Canada; Director, Sales and  
Marketing, McNeil Laboratories; President  
and General Manager, Allergan  
Pharmaceuticals; President and CEO, Biomira.

NAME: Fred W. Pomeroy  
PLACE OF BIRTH: Moose Jaw, Saskatchewan  
CURRENT WORK: President, Communications and Electrical  
Workers of Canada  
EDUCATION: Labour College of Canada  
CAREER BACKGROUND: Vice-President, Canadian Labour Congress;  
National Representative, Canadian  
Communications Workers Council; President,  
Communications and Electrical Workers of  
Canada.

NAME: Alfred Powis  
PLACE OF BIRTH: Montreal, Quebec  
CURRENT WORK: Chairman and Chief Executive Officer,  
Noranda Inc.  
EDUCATION: B.Comm., McGill University  
CAREER BACKGROUND: Joined Noranda in 1956, positions have  
included: Assistant to President, Director,  
Vice President, Chairman and President;  
presently Chairman and CEO

NAME: Robert J. Richardson  
PLACE OF BIRTH: North Bay, Ontario  
CURRENT WORK: Companies Director: Robert J. Richardson,  
Consultants Inc., Toronto Dominion Bank  
New York Life Insurance, Alberta Natural  
Gas, Massachusetts Institute of Technology,  
International Management Institute (Geneva,  
Switzerland)  
EDUCATION: University of Toronto, BA.Sc. (Chemical  
Engineering)  
Massachusetts Institute of Technology Sc.D.  
(Chemical Engineering)  
CAREER BACKGROUND: President, Bell Canada Enterprises;  
Executive Vice-President, E.I. Du Pont  
de Nemours Co.; Chairman, President and  
CEO, Du Pont Canada; Executive Director,  
National Conference on Technology and  
Innovation; private consultant.

NAME: John A. Roth  
PLACE OF BIRTH: Calgary, Alberta  
CURRENT WORK: Executive Vice-President, Product Line Management, Northern Telecom Ltd., Mississauga, Ontario  
EDUCATION: B. Eng., M.Eng., (Electrical Engineering) McGill University.  
CAREER BACKGROUND: Design engineer for RCA in Montreal; Division General Manager for Station Apparatus, Northern Telecom Canada Ltd., Vice President of Operations Manufacturing; Executive Vice President Bell-Northern Research; President, Bell-Northern Research.

NAME: Marion Vaisey-Genser  
PLACE OF BIRTH: Winnipeg, Manitoba  
CURRENT WORK: Associate Vice-President (Research), University of Manitoba  
EDUCATION: B.Sc. University of Manitoba  
M.Sc. (Nutrition) McGill University  
CAREER BACKGROUND: Professor, University of Guelph, Oregon State University, Mount Saint Vincent College; National President, Canadian Institute of Food Science and Technology; Chair, Manitoba Research Council; Associate Vice-President (Research), University of Manitoba.

NAME: Norman E. Wagner  
PLACE OF BIRTH: Edenworld, Saskatchewan  
CURRENT WORK: President, University of Calgary  
EDUCATION: B.A., M.Div., University of Saskatchewan;  
M.A., PH.D. (Near Eastern Studies),  
University of Toronto  
LL.D., Wilfrid Laurier University  
CAREER BACKGROUND: Since 1978, President of the University  
of Calgary; currently Chairman of the  
Board of Alberta Natural Gas Co. Ltd.;  
Board Member, Angus Chemical, Advisory  
Council on Adjustment, International Trade  
Advisory Committee, Canadian Centre for  
Learning Systems, OCO'88, Alberta Heritage  
Foundation for Medical Research.

NAME: Douglas T. Wright  
PLACE OF BIRTH: Toronto, Ontario  
CURRENT WORK: President and Vice Chancellor, University of  
Waterloo  
EDUCATION: University of Toronto, B.A.Sc.; University  
of Illinois, M.S.; Cambridge University, Ph.D.  
CAREER BACKGROUND: Structural designer; Professor of civil  
engineering, Queen's University; Professor  
of civil engineering and Dean of the Faculty  
of Engineering, University of Waterloo;  
14 years at Queen's Park as Deputy Minister;  
Chairman, Task Force on Federal Policies and  
Programs for Technology Development.

NAME: Hugh R. Wynne-Edwards  
PLACE OF BIRTH: Montreal, Quebec  
CURRENT WORK: Vice-President, Research and Development and Chief Scientific Officer of ALCAN International Ltd., Montreal, Quebec.  
EDUCATION: University of Aberdeen, B.Sc; Queen's University M.A. and Ph.D.  
CAREER BACKGROUND: Lecturer, assistant professor, associate professor, later Professor and Head, Department of Geological Sciences, Queen's University; Professor and Department Head, Geological Sciences at the University of British Columbia; Assistant Secretary, Universities Branch, MOSST, Scientific Director of ALCAN International; Member of Conseil de la politique scientifique du Québec 1981-83; Industrial Sector Liaison Group to the U.N. Centre for Science and Technology in Development; Member of the Science Council of Canada.

NAME: Victor L. Young  
PLACE OF BIRTH: St. John's, Newfoundland  
CURRENT WORK: Chairman and Chief Executive Officer, Fishery Products International, St. John's, Newfoundland  
EDUCATION: University of Western Ontario, MBA.  
CAREER BACKGROUND: Chairman and Chief Executive Officer, Newfoundland and Labrador Hydro Corporation.



