

LEGISLATIVE ASSEMBLY OF THE
NORTHWEST TERRITORIES
8TH ASSEMBLY, 66TH SESSION

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R. R. #1
Bolton, Ontario
LOP 1A0

Hon. David H. Soarle, Q.C.
Speaker
Legislative Assembly of the
Northwest Territories
P. O. Box 939
Yellowknife, N. W. T.
XOE 1H0

Dear

In keeping with Section 14 of the Science Advisory Board Ordinance, it is my pleasure to transmit to the Legislative Assembly the Second Annual Report of the Board. The second year of the Board's operations has been busy and productive. A sample of our first fruits will be available soon in the form of Dr. Louis-Edmond Hamelin's paper on population growth in the Northwest Territories. Others will follow.

The Board members have developed a good working relationship and look forward to an effective role in applying science and technology to enhance the quality of life in the Northwest Territories. Should you or members of the Assembly have any subjects the Board should review we will be happy to do so. Thank you.

Yours sincerely,

O. M. SOLANDT
Chairman
Science Advisory Board of the
Northwest Territories

SCIENCE ADVISORY BOARD OF THE NORTHWEST TERRITORIES

SECOND ANNUAL REPORT

Introduction

The Science Advisory Board of the Northwest Territories completed its first year of operation in November 1977. The Board's first full time staff member, the Executive Secretary, assumed his duties on 1 November, 1977. Although the Board reports to the Legislative Assembly, the Government of the Northwest Territories pays the cost of its operations and provides the Board with office space and clerical staff.

Meetings

The Board has held six meetings to date. Three were held during the 1977-78 fiscal year.

Science Advisory Board meeting #3 was held at Ottawa in May partly with the Science Council of Canada. The primary purpose of this meeting was to establish contacts and a working relationship with the people and organizations that support on-going scientific programs in the Northwest Territories. The Board was briefed by representatives of the Department of Indian Affairs and Northern Development, Department of Fisheries and Environment, Ministry of Transport, Department of Energy, Mines and Resources, and the National Research Council. These briefings and contacts have proved very useful in the subsequent activities of the Board.

The fourth meeting of the Board was held in Yellowknife during October. It was mainly devoted to the discussion of an interim report on population growth in the N.W.T. by Professor Louis-Edmond Hamelin.

The fifth Board meeting was held in Fort Smith in January. The Board met with the Fort Smith Town Council and was briefed on the concerns of that body. It also toured and was briefed on the Vocational and Higher Education offered there. In regular business the Board approved a review study of renewable resources in the N.W.T. The Board also scrutinized the Canadian Public Health Association report on Arsenic in Yellowknife. Following the regular meeting the Board met with the Saskatchewan Science Council at Uranium City for a productive sharing of experiences with one of our sister organizations. The fifth meeting concluded in Yellowknife with a luncheon meeting at which the Board reported informally to the Legislative Assembly of the Northwest Territories.

Programs and Studies

1. Summer Student Science Program

In keeping with the Board's goal to foster the growth of the northern scientific community, it undertook to sponsor four N.W.T. high school students as participating members on scientific parties conducting summer field studies in the Northwest Territories. Two students from Frobisher Bay assisted in studies conducted in the Keewatin, one student from Fort Smith assisted in a study on the Slave River Delta and one student from Hay River assisted in the on-going studies at the Heart Lake Biological Station operated by the University of Alberta.

Following an independent evaluation of this program it was decided to continue and expand it to sponsor up to 12 students in 1978-79.

2. Studies of Population Growth in the N.W.T.

A study of existing data and their implications has been conducted by Dr. Louis-Edmond Hamelin of Laval University in Quebec. This study makes projections to 1985. It should be published in fall of 1978. The Board will prepare its position on population growth based in part on the Hamelin study. This will be presented to the Legislative Assembly for consideration at the 66 session in October, 1978.

3. Fish and Wildlife Resources

The Board has initiated a review of the fish and wildlife resources in the Northwest Territories. To our knowledge this has not yet been done in a manner that gives policy makers an overview of the known capacity of all consumable renewable resources. This report will also address the need for accelerated research and monitoring to keep abreast of the current interests in commercial exploitation.

4. Library Services

The state of the library services available to the Legislative Assembly and the N.W.T.G. is inadequate. The Board was instrumental in requesting an appraisal conducted by officials of the National Library of Canada. This appraisal called for a major review. The Board compliments the administration on having this review initiated and is looking forward to an improvement of library services for both the Assembly and Administration.

Further Studies

More studies relevant to northern problems are being planned. The domestic energy supply and demand in the N.W.T. will be investigated and the most efficient combination of energy sources for given communities proposed. Higher education in the N.W.T. will be the subject of detailed discussions involving the Board, the Assembly, the Administration, and relevant southern institutions.

The full utilization of Northern Science Resource Centres in Inuvik and Igloolik operated by the Department of Indian and Northern Affairs will be the focus of specific Board recommendations. The Board is also taking an interest in the policy and program initiatives regarding the proposed centre for Yellowknife. The Board takes the position that these facilities should have year-round scientific programs relevant to the needs of the community. These centres should also be the loci of extension programs where the community participates and so develops an appreciation for the tremendous impact scientific and technological advances have made on community life in the north. This appreciation will hopefully result in more local involvement in northern science programs.

Membership

With the exception of one resignation the membership of the Board has not changed from those originally appointed. The Board would like to expand its northern membership and has been in search of potential members. Several member's terms expire in November 1978. The search for northern persons is continuing so that the Board can reach its full compliment of 13 members. A member list appears as Appendix A.

Staff

The Executive Secretary to the Board assumed his duties 1 November, 1977. His appointment has enabled the Board to develop close working relationships with agencies conducting scientific programs in the N.W.T. He has represented the Board at numerous functions called by both the public and private sectors. They include: the National Research Council, the Science Council of Canada, the Arctic Petroleum Operators Association, and the Canadian Environment Advisory Council.

The Executive Secretary's broad responsibilities are to pursue the goals of the Board; to stimulate the growth of a northern scientific community and to expand the body of indigenous expertise.

Funding

The Board experienced no funding problems during the 1977-78 fiscal year. During the 1978-79 fiscal year supplementary funds will have to be voted if the Board is to complete its planned program. Attached is a statement of expenditures for FY 1977-78.

SCIENCE ADVISORY BOARD OF THE NORTHWEST TERRITORIES

STATEMENT OF EXPENSES 1977-78

Personnel (Salaries and Honoraria)	\$ 19,769
Casual Wages	3,348
Travel - Members and Non-Government Personnel	15,071
- Staff and Government Personnel	10,463
Professional Services	31,090
Communications	1,321
Materials and Office Supplies	1,212
Special Events	1,477
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	\$ 83,751
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SCIENCE ADVISORY BOARD OF THE NORTHWEST TERRITORIESBOARD MEMBERS

Dr. Omond M. Solandt - Chairman
 R. R. #1
 Bolton, Ontario
 LOP 1A0

Term of appointment
 expires November, 1979.

Dr. Solandt was born in Winnipeg, Manitoba in 1909. He qualified as a medical doctor and during World War II, organized the London Blood Supply Depot. He also directed the tank section of the army operations research group. Dr. Solandt was the founding chairman of both the Defence Research Board and the Science Council of Canada. He has served a vice-president of the Canadian National Railway, vice-president of De. Havilland Aircraft of Canada Limited, and vice-chairman of Electric Reduction Company of Canada Limited. A former chancellor of the University of Toronto, he is now in semi-retirement and consulting both nationally and internationally.

Dr. William A. Fuller
 Department of Zoology
 The University of Alberta
 Edmonton, Alberta
 T6G 2E9

Term of appointment
 expires November, 1979.

A graduate of the University of Saskatchewan, Dr. Fuller is a vertebrate ecologist. He was based in Fort Smith, N.W.T., for many years; employed as a biologist by the Canadian Wildlife Service. Committed to northern research, Dr. Fuller was instrumental in the formation of the Boreal Institute at the University of Alberta. As professor of Zoology and Director of the University of Alberta's Field Station at Heart Lake, N.W.T., Dr. Fuller has trained many graduate students in the elements and detail of boreal ecology.

Mr. Frank Hansen
 Hansen Petroleum Products Limited
 P. O. Box 1039
 Inuvik, N. W. T. X0E 0T0

Term of appointment
 expires November, 1979.

Mr. Hansen was born in Aklavik of Danish and Inuit parentage. Following his primary and secondary education, Mr. Hansen attended the University of Alberta where he received a B.Sc. in civil engineering in 1969. He practised his profession with government and industry before becoming a private businessman. He now operates Hansen Petroleum Products, the Inuvik Imperial Oil agency.

Dr. J. A. Hildes
Northern Medical Unit
Faculty of Medicine
The University of Manitoba
750 Bannatyne Avenue
Winnipeg, Manitoba
R3E 0W3

Term of appointment
expires November, 1978.

Dr. Hildes is a medical doctor, professor of Medicine at the University of Manitoba, and co-director of the Northern Medical Unit. This unit, which is under contract to the Department of National Health and Welfare, provides medical services to the District of Keewatin, N.W.T. and northern Manitoba.

Dr. Walter O. Kupsch Vice-Chairman
Department of Geological Sciences
University of Saskatchewan
Saskatoon, Saskatchewan
S7N 0W0

Term of appointment
expires November, 1980.

Dr. Kupsch is a professor of geological sciences at the University of Saskatchewan. He has served as Executive Director of the Carrothers Commission, Director of the Institute for Northern Studies at the University of Saskatchewan, and Director of the Churchill River Study. Presently he is acting as consultant to the Legislative Assembly of the Northwest Territories. Dr. Kupsch is also appointed to the Science Council of Canada and is a member of its Committee on Northern Development.

Mr. Mike Kusugak
Rankin Inlet, N. W. T.
X0C 0G0

Term of appointment
expires November, 1978.

Mr. Kusugak was born in Cape Fullerton and is a qualified pilot. He is a member of the Advisory Committee to the Institute for Northern Studies at the University of Saskatchewan, the Canadian Eskimo Arts Council, the Rankin Inlet Hunters and Trappers Association, and the Rankin Inlet Fire Department.

Mr. R. W. Spence
Exploration Superintendent
Giant Yellowknife Mines Ltd.
Yellowknife, N. W. T.
X1A 2M2

Term of appointment
expires November, 1980.

Mr. Spence, a mining engineer, is the exploration superintendent of Giant Yellowknife Mines Ltd. Formerly, he has served as president of the Northwest Territories Chamber of Mines, president of the Northwest Territories Engineering Society and, for five years, chairman of the Yellowknife Public School Board.

Mr. Don L. Stewart
Science Adviser
Government of the N. W. T.
Yellowknife, N. W. T.
X1A 2L9

Term of appointment
expires November, 1978.

Mr. Stewart, a chemical engineer, is the Science Adviser to the Government of the N. W. T. Formerly, he was engaged in process development, economic studies, and research administration for MacMillan Bloedel Limited and associated companies. Subsequently, supervisor of Research and Planning in the Department of Economic Development, Government of the N. W. T.

Staff and Offices

Mr. Ben A. Hubert - Executive Secretary
P. O. Box 1617
Yellowknife, N. W. T.
XOE 1H0

Telephone No. (403) 873-7592
Telex 034-45528

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የገንዘብ ስራዎች ስራዎች 1977-78

የገንዘብ ስራዎች (የገንዘብ ስራዎች ስራ ስራዎች).....	\$19,769
የገንዘብ ስራዎች ስራዎች.....	3,348
የገንዘብ ስራዎች-ሰራዊት ስራ ስራዎች ስራዎች.....	15,071
-የገንዘብ ስራዎች ስራ ስራዎች.....	10,463
የገንዘብ ስራዎች ስራዎች ስራዎች.....	31,090
የገንዘብ ስራዎች ስራዎች.....	1,321
ሰራዊት ስራ ስራዎች ስራዎች.....	1,212
ሰራዊት ስራ ስራዎች ስራዎች.....	1,477
	<u>\$83,751</u>

