

LEGISLATIVE ASSEMBLY OF THE  
NORTHWEST TERRITORIES  
10<sup>TH</sup> ASSEMBLY, 9<sup>TH</sup> SESSION

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Science Institute of the Northwest Territories

# 1985 Annual Report

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**THE SCIENCE INSTITUTE OF THE NORTHWEST TERRITORIES**

**ANNUAL REPORT #1 - 1985**

**Prepared for the Ninth Session of the  
10th Assembly of the  
Government of the Northwest Territories**

**February 1987**

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## INTRODUCTION

The year 1985-86 was one of transition, which saw the replacement of the Science Advisory Board with the Science Institute of the Northwest Territories (SINT).

In June 1985, the Science Institute of the NWT Act (S.N.W.T. 1984(2), C.6) came into force. During the fiscal year ending March 31, 1986, Mr. Dan Billing completed his term as the Executive Secretary, and Dr. Robert R. Janes was appointed as the Executive Director beginning March 10, 1986.

With the passage of the Science Institute of the NWT Act, the Science Institute was established as a free-standing entity at arms-length from the Government of the Northwest Territories. The Institute reports yearly to the NWT Legislative Assembly through the Minister Responsible for the Science Institute. The Honorable Nellie Cournoyea was the Minister until November 1985, when the Honorable Red Pedersen assumed this responsibility.

The major objectives of the Science Institute are: to foster a scientific community within the NWT which recognizes and uses the traditional knowledge of northern aboriginal peoples; to make available scientific knowledge which is of value to the NWT; to provide sound and humane advice on scientific matters to the NWT Legislative Assembly and the general public, and to encourage young people to take an active interest in science. The Science Institute also administers the NWT Scientists Act by licencing and coordinating scientific research in the NWT.

BOARD OF GOVERNORS

The Science Institute was guided by a new Board of Governors, consisting of seven northern residents and six southern ones, including the Chairman, Dr. J. M. Harrison of Ottawa. The Board drew together a variety of professions and perspectives, including traditional knowledge, anthropology, education, medicine, economic development, science administration, engineering and geomorphology. The northern Board members for 1985 included Dr. Robert R. Janes of Yellowknife as Vice-Chairman; Mrs. Elizabeth Crawford of Inuvik; Mrs. Jane Dragon of Fort Smith; Mrs. Ann Hanson of Frobisher Bay (now known as Iqaluit); Mr. Eli Panipakoocho of Pond Inlet; Mr. Johnny Mike of Pangnirtung, and Mr. Andre Theriault of Frobisher Bay. Board members from outside the NWT included Dr. Ross Mackay of Vancouver, B.C.; Dr. Ernie Pallister of Calgary, Alberta; Dr. Otto Schaefer of Edmonton, Alberta; Dr. Milton Freeman of Edmonton, Alberta, and Dr. Max House of St. John's, Newfoundland.

Three Board meetings were held during this period. The first meeting of the new Science Institute Board was held in Frobisher Bay in August 1985. Two meetings were held in Yellowknife, one in November 1985 and one in February 1986. During these meetings much time was devoted to discussing the new objectives and directions of the Science Institute. Discussions began on the need for collaboration and communication with existing agencies and organizations with similar interests and responsibilities.

It was during 1985 that one of the Board members, Dr. Otto Schaefer, received the Northern Science Award from the federal government for his contributions in the field of northern health research.

### PROGRAMS AND ACTIVITIES

Although the Institute was new in an organizational sense, a number of previous Science Advisory Board programs continued. A number of new initiatives were also undertaken.

In 1985, a total of 149 scientific research licences were issued under the NWT Scientists Act covering a variety of scientific disciplines, including 46 percent in earth and physical sciences, 26 percent in biology and botany, 10 percent in social sciences, 7 percent in health, and less than 2 percent in engineering.

A total of 12 northern students were sponsored through the Science Institute's Student Field Program. This program enabled students to work directly with scientific field parties and become familiar with the basics of scientific data collection and analysis, as well as gain a general understanding of a particular scientific discipline (see Appendix A). The Science Institute also contributed to the Northern Heritage Society's program on Devon Island, which trained 10 students in the field techniques of archaeology and biology (see Appendix B).

A survey of northern native research concerns and interests was initiated by the Institute, and co-sponsored by the Association of Canadian Universities for Northern Studies. The NWT Legislative Assembly requested the Institute to assess the economic and safety factors associated with the use of the proposed SLOWPOKE II nuclear reactor. This work is ongoing. Investigations also began into the effects of the tailing deposits at the abandoned Rayrock Mine on the health of the people living nearby or using the area. The Science Institute acted as the Chair and the coordinator of the Rayrock Advisory Committee, the group which was established to investigate this

matter. Funding for various studies was obtained from the Federal Department of Indian and Northern Affairs Canada, National Department of Health and Welfare Canada, and Energy, Mines and Resources Canada, in addition to the Science Institute. Work proceeded on this project in preparation for a workshop scheduled for April 1986, which is intended to recommend a course of action.

Information collection and dissemination was also a priority, and the Institute's first published background study was entitled The Investigation of the Viability of a Remote Wind/Hydro Electric Power Supply in the NWT. The first occasional paper in another new publication series was a summary of current science and technology activities undertaken by the Government of the Northwest Territories. Both these documents are available through the Science Institute's office.

A number of conferences and meetings throughout the year gave the Science Institute the opportunity to introduce its activities and plans, as well as to establish links with various individuals and organizations involved in northern science. In early April 1985, the Science Institute supported the International Association on Water Pollution Research and Control conference in Yellowknife, and a Remote Sensing Workshop in May. Also in May, Dr. Otto Schaefer represented the Science Institute at the Arctic Petroleum Operators Association and the Canadian Petroleum Association Offshore Operations Division workshop called "Making the Frontiers Conventional".

The Chairman, Dr. Jim Harrison, attended a meeting in September 1985, with the Honorable Dennis Patterson, the Minister of Education, who attended on the Honorable Nellie Cournoyea's behalf. This meeting of federal, provincial and territorial



ministers was intended to lead to the development of a national science policy. A subsequent meeting was held in Regina, Saskatchewan in January 1986. The development of this national science and technology policy is ongoing.

The Science Institute was represented by Dr. Milton Freeman in October 1985 at a National Biotechnology Advisory Committee meeting. This workshop discussed issues in a new field of science that deals with man-made changes to biological materials.

The Science Institute served as the financial coordinator for the Eastern Arctic Seaboard Monitoring Program, by administering Canada Employment and Immigration funding on behalf of the Arctic Research Establishment under the direction of Hermann Steltner. This program assisted in the training of 14 Inuit in scientific data collection and is ongoing.

This year proved to be one of challenges and changes for the Science Institute and its new Board of Governors. With the objective to ensure northerners are involved in scientific activities, the work is only now beginning. Continued support from governments, institutes and foundations will enable the Institute to act as a stimulus, so that around it will slowly coalesce a resident scientific community which will undertake investigations on behalf of the interests of northerners.

The Institute recognizes the legitimacy of traditional knowledge (that knowledge possessed by the aboriginal cultures of the NWT) and must ensure that the scientific establishment takes full advantage of this knowledge where this is appropriate. The Science Institute is in a position to bridge the gap between indigenous knowledge and mainstream scientific activities.

# SCIENCE INSTITUTE OF THE NORTHWEST TERRITORIES

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**CORE FUNDING FROM THE GOVERNMENT OF THE NWT <sup>1</sup>**  
**EXPENDITURES**  
**FOR THE YEAR ENDED MARCH 31, 1986**

Salaries	\$134,543
Contract Services	80,655
Travel	73,347
Fees and payments	15,955
Purchased services	5,265
Materials and supplies	2,982
Other	<u>59</u>
	<u>\$312,816</u>

Total Budget (1985-86)	\$357,000
Total Expenditures (1985-86)	<u>312,816</u>
Unspent Budget (1985-86)	<u>\$ 44,184</u>

<sup>1</sup> The core funding was administered by the Government of the Northwest Territories through the Department of Renewable Resources, and the information has been extracted from their records. The audited financial statements are part of the Auditor General's report on the expenditures of the Government of the NWT.

SCIENCE INSTITUTE OF THE NORTHWEST TERRITORIES  
PRIVATE ACCOUNT<sup>1</sup>  
FINANCIAL STATEMENTS  
MARCH 31, 1986

Auditors' Report

Statement of Revenue and Expenditures

Balance Sheet

Notes to the Financial Statements

<sup>1</sup> This account represents revenue received from sources other than the Government of the Northwest Territories and is referred to as the "private account" in the sense that the funds were administered separately to those funds provided by the Government of the Northwest Territories.

# MacKay & Partners

Chartered  
Accountants

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MacKay Building  
4910 50th Street  
Yellowknife, N.W.T. X1A 2N5  
Telephone: (403) 920-4464

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## AUDITORS' REPORT

To the Board of Governors  
Science Institute of the Northwest Territories

We have examined the statement of revenue and expenditures and the balance sheet for the Private Account of the Science Institute of the Northwest Territories as described in Note 1 for the year ended March 31, 1986. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the Private Account of the Institute as described in Note 1 as at March 31, 1986 and the results of its operations for the year then ended in accordance with generally accepted accounting principles.

Yellowknife, Northwest Territories  
February 2, 1987,

*MacKay Partners*  
CHARTERED ACCOUNTANTS

SCIENCE INSTITUTE OF THE NORTHWEST TERRITORIES

PRIVATE ACCOUNT

STATEMENT OF REVENUE AND EXPENDITURES

FOR THE YEAR ENDED MARCH 31, 1986

	<u>Rayrock Program</u>	<u>Northern Native Research Priorities Program</u>	<u>Eastern Arctic Seaboard Monitoring Program</u>	<u>Other</u>	<u>1986 Total</u>	<u>1985 Total</u>
REVENUE						
Contracts	\$21,632	\$12,500	\$128,117	\$-0-	\$162,249	\$80,525
Sale of publications	-0-	-0-	-0-	161	161	-0-
	<u>21,632</u>	<u>12,500</u>	<u>128,117</u>	<u>161</u>	<u>162,410</u>	<u>80,525</u>
EXPENDITURES						
Subcontracts	21,632	12,500	128,117	-0-	162,249	80,525
Bank charges	-0-	-0-	-0-	6	6	-0-
	<u>21,632</u>	<u>12,500</u>	<u>128,117</u>	<u>6</u>	<u>162,255</u>	<u>80,525</u>
EXCESS REVENUE OVER EXPENDITURES	<u>\$ -0-</u>	<u>\$ -0-</u>	<u>\$ -0-</u>	<u>\$155</u>	<u>\$ 155</u>	<u>\$ -0-</u>

SCIENCE INSTITUTE OF THE NORTHWEST TERRITORIES


PRIVATE ACCOUNT


BALANCE SHEET

AS AT MARCH 31, 1986

	<u>1986</u>	<u>1985</u>
<u>ASSETS</u>		
Cash	\$89,815	\$ -0-
Accounts receivable	9,207	34,096
	<u>\$99,022</u>	<u>\$34,096</u>
<u>LIABILITIES</u>		
Accounts payable and accrued liabilities	\$94,208	\$34,096
Deferred revenue	4,659	-0-
<u>INSTITUTE'S EQUITY</u>		
Surplus	155	-0-
	<u>\$99,022</u>	<u>\$34,096</u>

APPROVED BY THE BOARD OF GOVERNORS:

  
\_\_\_\_\_  
Governor

  
\_\_\_\_\_  
Governor

*behalf of the Board of Governors*

**SCIENCE INSTITUTE OF THE NORTHWEST TERRITORIES**

**NOTES TO THE FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED MARCH 31, 1986**

**1. INCOMPLETE INFORMATION**

These financial statements include only those projects of the Institute operated through the Private Account. The core funding is administered by the Government of the Northwest Territories.

**2. INCORPORATION**

The Science Institute of the Northwest Territories was established by an Act of the Government of the Northwest Territories in 1984.

APPENDIX A

1985 STUDENT FIELD PROGRAM - PARTICIPANTS

<u>Name</u>	<u>Home Community</u>	<u>Scientific Activities</u>
Bobby Christensen Lynn Cousins	Frobisher Bay Frobisher Bay	Worked at the Frobisher Bay Research Laboratory under the direction of Andre Theriault, Dept. of Indian and Northern Affairs.
Jimmy Oleekatalik	Spence Bay	Worked as an archaeological field assistant on S.E. Somerset Island with E. Damkjar of the University of Alberta.
Eric Scott	Frobisher Bay	Worked as an archaeological field assistant in the South Baffin Island area with D. R. Stenton of the University of Alberta.
Evano Kablutsiak Tommy Muckpah Paul Kablutsiak	Eskimo Point Eskimo Point Eskimo Point	Worked in the Eskimo Point area assisting in rabies research under the direction of Dr. Frank Mallory of Laurentian University, Sudbury, Ontario.
Ken Lambert	Yellowknife	Worked with Kim Poole, a biologist from Dept. of Renewable Resources, involved in raptor studies in the Bathurst Inlet area.
Moe Keenainak	Pangnirtung	Worked as an archaeological field assistant on Devon Island with J. Helmer of the University of Calgary.



<u>Name</u>	<u>Home Community</u>	<u>Scientific Activity</u>
Troy Ellesworth Paul Smith	Frobisher Bay Frobisher Bay	Worked with M. Ferguson, Regional Biologist, Dept. of Renewable Resources, Baffin Region, on caribou studies in the Frobisher Bay area.
Wendy Wilson	Rankin Inlet	Worked with G. Stenhouse, a wildlife biologist in Dept. of Renewable Resources, Keewatin Region, on raptor studies.

APPENDIX B

1985 NORTHERN HERITAGE SOCIETY - PARTICIPANTS

(SINT contributed funds to the Society's field school)

<u>Name</u>	<u>Home Community</u>
David Akeeagok	Grise Fiord
Daryl Bawtinheimer	Fort Smith
Viola Cli	Fort Simpson
Jeannie Joseph	Arctic Bay
Rebecca Kakkik	Pangnirtung
John Kudlak	Paulatuk
Julie Okatsiak	Eskimo Point
Sam Pikuyak	Nanasivik
Sampson Tutanuak	Baker Lake
Debbie Webster	Baker Lake

**NOTE:**

This report was prepared by the current staff of the Science Institute following the retirement of the former Executive Secretary. It should be noted that the authors of this report were not employees of the Institute during the 1985/86 fiscal year, with the exception of three weeks in March 1986.

SCIENCE INSTITUTE OF THE NORTHWEST TERRITORIES  
1985 ANNUAL REPORT

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