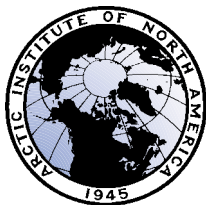
A photograph of a snow-covered mountain peak with evergreen trees in the foreground. The mountain is rugged and covered in snow, with some dark patches of rock visible. The sky is a clear, pale blue. The text is overlaid on the right side of the image.

# The Arctic Institute of North America

Annual Report 2002



## 2002 Board of Directors

- **Murray B. Todd**, Calgary, Alberta (Chair as of September 2001)
- **Michel Scott**, Calgary, Alberta (Vice-Chair)
- **Ingrid Johnson**, Whitehorse, Yukon (Vice-Chair)
- **Carl Benson**, Fairbanks, Alaska (Ex officio)
- **Keith Archer**, Calgary, Alberta (until July 2002)
- **Louis-Jacques Dorais**, Québec, Québec
- **Frank Ipakohak**, Kugluktuk, Nunavut (until May 2002)
- **Peter Irniq**, Iqaluit, Nunavut (as of October 2002)
- **Dr. Cooper Langford**, Calgary, Alberta (as of October 2002)
- **Marian LaVigne**, Yellowknife, Northwest Territories
- **James Raffan**, Seeley's Bay, Ontario (until October 2002)
- **Dennis Salahub**, Calgary, Alberta (as of July 2002)
- **Kathleen Scherf**, Calgary, Alberta
- **Jack Stagg**, Ottawa, Ontario (as of October 2002)
- **Senator Charlie Watt**, Ottawa, Ontario (until October 2002)
- **Harry Wilmot**, Calgary, Alberta (as of October 2002)
- **Karla Jessen Williamson**, Calgary, Alberta

## Staff

- Executive Director: **Karla Jessen Williamson**
- Editor and Adjunct Professor: **Dr. Karen McCullough**
- Business Manager: **Sonja Hogg**
- Executive Assistant: **Frances Clarke**
- Temporary Executive Assistant: **Beverly Williston**
- ASTIS Manager: **Ross Goodwin**
- ASTIS Information Analysts: **Lynda Howard**, **Lynne Howard** and **Pam Scowen**
- ASTIS Volunteers: **Chris Mason** and **Jean McLennan**
- Membership Services: **Katherine Burningham**
- Theme School Director and Assistant Professor: **Karim-Aly Kassam**
- University of Calgary Librarian, AINA Collection: **Dr. Eric Tull**
- Kluane Lake Research Station Managers: **Andrew** and **Carole Williams**

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Cover: Detail from a photographic composite of Mt. Logan, Yukon Territory, taken from the Seward Glacier in 1992 by **Gerald Holdsworth**.

All other images are details from *James Hamilton: Arctic Watercolours*, by **Constance Martin** (1983), and are part of the collection of the Glenbow Museum, Calgary, Alberta.

Page banner: detail from *Refraction*, c. 1852



## Message from the Chair of the AINA Board

**T**hese are exciting times in the North. The debate on a route for the planned pipeline to carry Prudhoe Bay and Mackenzie Delta gas south continues. And the people of the North are engaged as partners in that debate—a healthy exchange that will lead to a conclusion respecting the interests of everyone. The extensive use made of AINA's online database ASTIS over the past several months is both a testimonial to the value added to the research community by AINA and a good indication of renewed interest in northern research.

AINA enjoys a respected record in promoting collaboration among Northerners, the private sector, academia, government, and industry. AINA, an organization whose mission is to encourage northern research, is well positioned to play an important role in identifying knowledge gaps and coordinating research to address these gaps. Nunavut has established itself on the northern scene, presenting many opportunities for a collaborative approach to northern research.

AINA is delighted to find good alignment with the strategic priorities articulated by **President Harvey Weingarten** for the University of Calgary. These include understanding human behaviour, institutions and cultures, energy and environment, technologies and information, and health and wellness. AINA also fits well with the University's principles of promoting collaborative, multidisciplinary learning and research.

The national character of AINA's Canadian Corporation and its collaborative approach are reflected in the makeup of the Board of Directors, which represents all geographical areas of the country, including the three territories, as well as government, academia, and the private sector. We welcome to the Board this year **Peter Irniq**, Commissioner of Nunavut; **Dr. Cooper Langford**, University of Calgary; **Dr. Dennis Salahub**, University of Calgary; **Jack Stagg**, Deputy Minister in the office of the Deputy Prime Minister; and **Harry Wilmot**, ATCO Frontec Corporation. We appreciate the contribution made by retiring Board members, **Senator Charlie Watt**, **Dr. Keith Archer**, **Dr. James Raffan**, and **Frank Ipakohak**.

*Murray Todd*  
Chair, AINA Board of Directors

## Message from the Executive Director

This is the third Annual Report that I am writing as the executive director of the Arctic Institute of North America, and I feel privileged to be doing so. The last two years have brought times of contemplation, a great deal of action, and anticipation of more to come. These are the forces behind what is being achieved. We have launched our first book co-published with the University of Calgary Press. The inaugural publication of the Northern Lights Series is entitled *Nunavik: Inuit-Controlled Education in Arctic Quebec* and is so successful that a second edition is already being contemplated. We are very happy with this endeavour and were pleased to be visited by Nunavimmiut from Kuujuaq for the book launch hosted at AINA and co-hosted by University of Calgary Press. Further publications are forthcoming, and to me these are evidence of a solid, productive collaboration that we can celebrate sincerely.

Last winter I traveled all over the Northern Hemisphere, helping to set up studies of the impacts of the DEW Line and the anticipated shipping lanes throughout the Arctic. The Arctic Institute took this initiative and created research partnerships across the University of Calgary, with other universities across Canada, with Inuit Tapiriit Kanadami, Inuvialuit, and with several federal agencies and corporate bodies in industry. We entered a competition for Network of Centres of Excellence funding and competed well, while at the same time developing other modes of funding. The work of setting up an extensively comprehensive and integrated research program was a significant change in habits of the operation of AINA, returning scholarly interests to the primary concern of the Institute. I am happy to have formally received the full support of the Board of Directors in taking these modern directions toward combining the contributions of academia and indigenous northern thinkers to the momentum of northern knowledge.

AINA funding is stable to the point where we can now anticipate extending the core activities of AINA to incorporate more scholarly work. At the same time, AINA is strengthening its direct contacts with Northern peoples. I am happy to welcome the Commissioner of Nunavut, **Peter Irniq**, to the table of the Board of Directors. Mr. Irniq's extensive involvement in Inuit affairs is invaluable to the directions of AINA. We are also joined by **Mr. Harry Wilmot**, vice president of ATCO Frontec Corporation, whose joint venture agent Nasittuq Corporation facilitates collaboration through the Pan Arctic Inuit Logistics



Corporation (PAIL) with Inuit across the Arctic. **Dr. Cooper Langford** has rejoined AINA's Board of Directors. His wisdom and integrity are well appreciated, and his intellect transcends cultures in ways valued by all. Another welcome addition is **Dr. Dennis Salahub**, the newly appointed Vice-President (Research) of the University of Calgary. Finally, we welcome **Mr. Jack Stagg**, Deputy Minister of *Indian and Northern Affairs Canada*.

This last year we also considered how AINA might better communicate with our stakeholders. We have decided to produce the Annual Report on the AINA Web site to avoid the cost of printing and mailing hard copy. This change will enable AINA Research Associates to report more fully on their individual research activities in conjunction with the Annual Report.

While continuing in 2003 to develop activities already initiated, I plan to be busy looking for ways in which AINA can help to create a magazine on Western and Inuit science published in Inuktitut. AINA is also working with the Resources and the Environment Program at the University of Calgary on a memorandum of understanding to create a graduate program in Arctic Studies. The proposed program would grant Master of Arts/ Science and PhD degrees.

I look forward to your response and advice. *Takujumaarivassi* —I will be seeing you.

*Karla Jessen Williamson*  
Executive Director



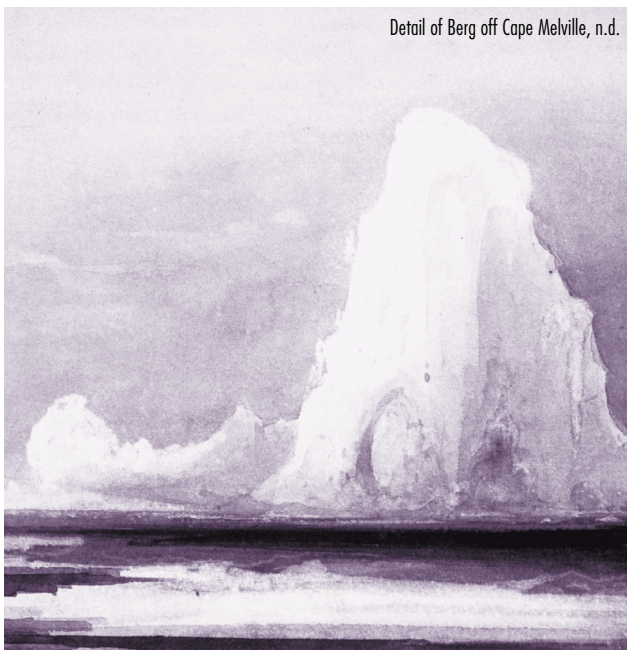
Detail of Boat Trip to Godhaven, c. 1850

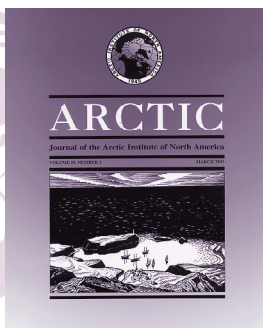


## The Theme School in Northern Planning and Development Studies

**N**orthern Planning and Development Studies is entering its eighth year with an even greater sense of confidence. The test of time shows that the program continues to bring together students, teachers, and communities to build knowledge. The interaction between students, researchers, teachers, and communities also forms the basis for building young citizens and contributes to the development of strong, healthy communities. Students play a key role in their own learning and become important members of the research team by participating as student researchers. New skills and insights into the research process are developed through their direct participation in communities in the North. In the classroom, examinations of relevant theories are explored through teaching, leading directly to the development of new research questions and methodological approaches. Classroom work and experiential learning provide constant reinforcement and insight for both researchers and students.

Detail of Berg off Cape Melville, n.d.





## ARCTIC

This year we were pleased to offer our members a bonus issue of *Arctic*—Volume 55, Supplement 1 was mailed out to all members with the June issue. This supplementary issue comprised papers from the *Beaufort Sea 2000* conference held in Inuvik in September 1999. The published papers from the conference, which focused on the renewable marine resources of the Canadian Beaufort Sea, included a description of the environmental and social setting, oceanography, overviews of the resource species (marine birds, polar bears, seals, and whales), and the use of these resources by the Inuvialuit during the last four decades of the 20th century. Inuvialuit elder **Billy Day** provided a personal perspective on living off the land in the Beaufort Sea region and a historical look at Inuvialuit whaling over the past century. Our thanks to the Department of Fisheries and Oceans (DFO) in Inuvik for funding the supplementary issue, and to **G. Burton Ayles** and **Robert Bell**, Fisheries Joint Management Committee, Inuvik, and **Helen Fast**, Department of Fisheries and Oceans, Winnipeg, for providing an introduction to the supplement and other assistance during the publication process.

We published 40 research articles in the five issues for 2002: 7.5% from the physical sciences, 35% from the social sciences, and 57.5% from the biological sciences. The increase from 2001 in social science papers published is just over 20%.

The September 2002 issue of *Arctic* was dedicated to a collection of papers from the Circumpolar Ecosystems 2000 Workshop, held in Churchill, Manitoba, in February 2000. The Churchill Northern Studies Centre (CNSC) provided \$8,000 toward its publication. The February 2000 meeting was the fourth conference and outdoor workshop held by the CNSC to bring together Northerners and scientists to share indigenous knowledge and scientific research.

In an effort to reduce our annual deficit, journal prices were raised in 2002—our first increase in three years. *Arctic* prices still remain well below those of other northern-related quarterly journals.

Because of major surgery during the summer of 2002, Editor **Karen McCullough** was away from the office for several months. During this time, Senior Research Associate and Editorial Advisor **Peter Schledermann** ably filled the role of Acting Editor to ensure that journal publication and the processing of submissions went smoothly. We are deeply grateful to Dr. Schledermann for stepping in during Dr. McCullough's absence, and to **Katherine Burningham**, Membership Services, who assisted Dr. Schledermann with the large volume of administrative work associated with journal production.

## Book Projects

This year AINA and the University of Calgary Press established a joint publication initiative entitled *The Northern Lights Series*. The mandate of the series is to publish works of a nontechnical nature from all areas of northern scholarship: the natural, social, and earth sciences and the humanities. The geographical area covered by this series is the North, broadly defined as those circumpolar regions situated within the zone of continuous and discontinuous permafrost. The first series editor is **Dr. Peter Schledermann**, who is at present a member of the University of Calgary Press Editorial Board.

The first volume in the series, *Nunavik: Inuit-Controlled Education in Arctic Quebec*, by **Ann Vick-Westgate**, was published in the fall of 2002. Two additional volumes are also scheduled for publication: *Many Faces of Gender: Roles and Relationships through Time in Indigenous Northern Communities*, edited by **Lisa Frink**, **Rita S. Shepard**, and **Gregory A.**





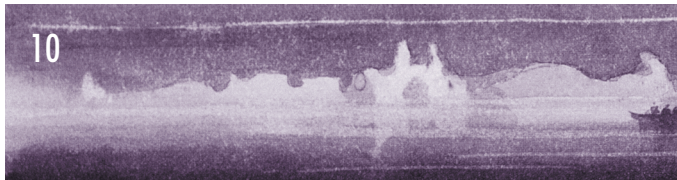
Detail from *Devil's Thumb*, n.d., by Elisha Kent Kane



**Reinhardt** and co-published with the University of Nebraska Press; and *New Owners in Their Own Land: Minerals and Inuit Land Claims*, by **Robert L. McPherson**.

## Arctic Science and Technology Information System

**T**he Arctic Science and Technology Information System (ASTIS) is Canada's only northern abstracting and indexing service. The ASTIS database contains more than 50,000 records describing publications and research projects about northern Canada. ASTIS is funded through contract work and donations. The ASTIS database is available for free on the Arctic Institute's Web site. ASTIS is searchable from a Simple Search page, an Advanced Search page and by clicking on hyperlinks in database records. If the full text of a publication is available on the Web, the ASTIS record will provide a link to it. The bilingual ASTIS Web site also provides search help, information about the scope of the database, instructions for obtaining publications, and a list of the organizations that have supported ASTIS.



ASTIS specializes in the preparation of bibliographic databases about northern Canada and can easily make these databases available from customized Web sites for clients. The ASTIS Subset Databases link on the Institute's Web site provides access to five of these databases. ASTIS is also available with the world's other major polar databases in National Information Services Corporation's international *Arctic & Antarctic Regions* database. This database is available on a subscription basis as a CD-ROM and on the Web.

ASTIS worked on several contract projects during 2002. For the Environmental Studies Research Funds, we finished adding to ASTIS more than 4000 reports from the Canadian Marine Drilling Ltd. (CANMAR) Library. Projects for Indian and Northern Affairs Canada included two databases and Web sites, one on Northern Granular Resources and another about the environmental impacts, socioeconomic effects, and regulation of hydrocarbon exploration, development, and transportation in northern Canada. Other projects were the finding and indexing of journal papers and research projects for the Canadian Polar Commission's indicators of Canadian polar knowledge and the industry-funded abstracting and indexing of northern petroleum industry reports.

During 2002, ASTIS also created an *Arctic Contents* page for the Institute's Web site that lists all issues of the journal and provides tables of contents, with abstracts, for issues since 1977.



Detail from *Ships and Kayak in Moonlight*, c. 1852

## AINA Library

The Arctic Institute Library continues to increase through the purchase of books and journals from an annual budget provided by the University of Calgary Library; through the receipt of polar journals obtained in 129 exchange agreements with partners, who receive the journal *Arctic* in return; and through donations of materials by individuals and organizations. Access to most of the holdings of the Arctic Institute Library is freely available over the Internet by accessing the University Library catalogue. Not included through the online catalogue are many older materials in the collection that can be accessed only through the AINA card catalogue, and the many northern oil and gas development reports that await cataloguing and cannot yet be easily accessed. Staff and students involved with northern studies benefit from the increasing number of library services available to them electronically from their offices and from home. These include numerous databases and thousands of electronic journals that the University Library subscribes to, as well as an online document delivery service. The University Library's northern studies/Arctic Institute librarian, Eric Tull, is available to assist students, staff, and visiting researchers in finding polar information.



## Scholarships

**T**he Arctic Institute administers three scholarships established by the families and friends of **Jennifer Robinson, Lorraine Allison, and Jim Bourque, P.C.** The *Jennifer Robinson Scholarship*, valued at \$5000, is awarded for academic excellence in field-oriented research in northern biology. The *Lorraine Allison Scholarship*, valued at \$2000, is open to Canadian graduate students who have demonstrated academic excellence and a commitment to northern research beneficial to Northerners. The *Jim Bourque Scholarship*, valued at \$1000, is open to Canadian Aboriginal students who intend to take post-secondary training in education, environmental studies, traditional knowledge, or telecommunications.

The 2002 recipient of the *Jennifer Robinson Scholarship* is **Elizabeth Gillis**, a doctoral candidate in the Department of Zoology at the University of British Columbia in Vancouver. She is studying adult male dispersal and population dynamics of Arctic ground squirrels near Kluane Lake, southwest Yukon.

**Shannon Haszard**, last year's winner of the *Lorraine Allison Scholarship*, is also the 2002 recipient. Shannon is continuing her study of the habitat requirements of white-winged and surf scoters in the Mackenzie Delta region, Northwest Territories, as she works toward her Master's degree in Biology at the University of Saskatchewan.

**Jeff Rouse**, the 2001 winner of the *Jim Bourque Scholarship*, was also awarded the scholarship for 2002. Mr. Rouse, who is connected with the Neyaashiinigmiing (Cape Croker First Nation) community, is continuing his studies of aboriginal community development in the Master of Environmental Studies/Bachelor of Laws concurrent degree program at York University.

## AINA Grant-in-Aid Program

**I**n 2002, the Grant-in-Aid Committee received 30 applications—a record number—of which only seven received funding of US\$1000 each. The 2002 Committee consisted of **Peter Johnson, Matthew Sturm, Stephen Braund, and Erich Follmann**, chair. These are the winners of the 2002 grants:

- **Matthew Farish**, University of British Columbia, reviewing geopolitics and science related to the DEW line;





- **Julie Hagelin**, University of Connecticut, evaluating whether the grit from roads in Alaska is hazardous to game birds;
- **Emily Jenkins**, University of Saskatchewan, conducting a field study of the larval development of a protostrongylid worm of significance to Dall's sheep;
- **Lisa Loseto**, University of Ottawa, studying the formation of methyl mercury in the High Arctic;
- **Jennifer Rohrs**, University of Alaska Fairbanks, conducting a field study on the effect of subsurface water flow on nutrient transport in a boreal forest;
- **Shannon Tushingham**, University of California at Davis, studying ancient pottery in the North American Arctic;
- **Jennifer Turner**, McGill University, studying the effects of climate change and sea-level rise on the coastal processes of the Beaufort Sea.

## Research Facilities

### Kluane Lake Research Station

The Kluane Lake Research Station (KLRS) is located near the Alaska Highway, 220 km northwest of Whitehorse, Yukon, on the south shore of Kluane Lake (61° N, 139° W). The extreme elevation difference between Kluane Lake and the crest of the St. Elias Mountains establishes a strong gradient in environmental attributes. The result is a remarkable diversity of research opportunities within a small geographical area. Since 1961, when it was founded, KLRS has fostered research projects in the disciplines of glaciology, geomorphology, geology, biology, botany, zoology, hydrology, limnology, climatology, high-altitude physiology, anthropology, and archaeology.

More than 100 people made use of the KLRS facility during 2002. A total of 2080 research days were supported at the base camp and a further 1106 days at remote field camps.

The *Logan Ice-Coring Project* was continued in 2002 by researchers from the Terrain Sciences Division, Geological Survey of Canada; the Climate Change Center, University of New Hampshire; and the National Institute of Polar Research, Tokyo, Japan. The cores should yield information on long-range pollutant transfer, the dating of natural phenomena such as volcanic eruptions, and historical climate data.

Researchers from the Universities of British Columbia, Alberta, Regina, Toronto, Ottawa, and Pittsburgh also made use



of the base in 2002, in the areas of botany, mammalogy, geomorphology, glaciology, limnology, and anthropology. **Dr. Charles Krebs**, Professor Emeritus in the Department of Biology, University of British Columbia, continued to supervise the *Kluane Ecological Monitoring Project* in conjunction with Parks Canada and the Yukon Government.

During the summer of 2002, KLRS provided a base for three field schools: a geology field school led by **Dr. John Clague**, Geology Department, Simon Fraser University; a botany field school led by **Dr. Mary Vetter**, Botany, University of Regina; and a geography and glaciology field school, coordinated for many years by **Dr. Peter G. Johnson**, Geography, University of Ottawa.

## Devon Island Research Station

The Devon Island Research Station (DIRS) is located on the north coast of Devon Island, Nunavut, approximately 315 km northeast of Resolute Bay on Cornwallis Island. Since its establishment in 1960, the station has provided a base for numerous research programs. During the summer of 2002, DIRS was inactive.

## Research Associates

Research Associates are appointed by the Board of Directors. Currently the Institute has 44 research associates: 16% involved in natural science research, 11% from the physical sciences, 14% from the humanities and fine arts, and the remaining 59% involved in social science research. Much of the social science research focuses on northern issues and applied community work, some in partnership with northern communities, particularly the Dene. Brief descriptions of projects being conducted under the auspices of the Arctic Institute by some of the research associates listed below are available on the AINA web site under “Research Projects.”

- **Mr. Don Albright**, Biology
- **Ms. Cindy Allen**, Dene Musicology
- **Dr. Charles Arnold**, Archaeology and Museology
- **Mr. William Barr**, Geography and History
- **Ms. Margaret Bertulli**, Archaeology
- **Dr. Ellen Bielawski**, Anthropology
- **Mr. Lloyd Binder**, Economic Development

- **Ms. Rai Brown McCutcheon**, Gender Studies
- **Professor Leo Bushman**, Art
- **Dr. Garry K.C. Clarke**, Glaciology
- **Ms. Helen Corbett**, Film and Journalism
- **Mr. Ken de la Barre**, Human Geography
- **Dr. Mark O. Dickerson**, Political Science
- **Mr. Elmer Ghostkeeper**, Aboriginal Studies
- **Mr. Jeff Gilmour**, Law
- **Mr. Norman Hallendy**, Ethnohistory
- **Dr. Gerald Holdsworth**, Glaciology
- **Ms. Martha Johnson**, Anthropology
- **Dr. Peter G. Johnson**, Geography
- **Mr. Karim-Aly Kassam**, Arctic Social Science
- **Dr. Barbara Kingscote**, Veterinary Medicine
- **Dr. Nic Larter**, Zoology
- **Ms. Aalice Legat**, Anthropology
- **Dr. David Lertzman**, Aboriginal Studies
- **Dr. Robert MacDonald**, History
- **Mr. Sean Maher**, Anthropology
- **Ms. Constance Martin**, Art History and Curator
- **Mr. Robert McPherson**, Geology and History
- **Mr. Frank Miller**, Wildlife Biology
- **Ms. Magdalena Muir**, Law, Environment & Resource Management
- **Dr. Dave Norton**, Ecology
- **Dr. Martin Raillard**, Arctic Ecology
- **Dr. Joan Ryan**, Anthropology
- **Dr. Peter Schledermann**, Archaeology
- **Dr. Ronald Silvers**, Art
- **Ms. Mary Leeds Stapleton**, History and Planning
- **Ms. Susanne Swibold**, Film and Journalism
- **Mr. Darielle Talarico**, Ecotourism
- **Ms. Jane Sproull Thomson**, Inuit Art & Culture; Heritage Planning
- **Mr. Jack Van Camp**, Environmental Science
- **Dr. Robert van Everdingen**, Hydrogeology
- **Dr. Robert G. Williamson**, Anthropology
- **Ms. Wanda Wuttunee**, Native Studies, Law, and Management
- **Mr. José Zorrilla**, Interdisciplinary

## Fellows

**F**ellows of the Arctic Institute of North America are elected in recognition of significant contributions to the knowledge of polar and subpolar regions. The Institute currently has 302 Fellows. Anyone wishing to nominate a Fellow can obtain a form from the AINA office in Calgary.

## Financial Report for the Fiscal Year Ended March 31 2002 (Condensed)

**T**he Institute's financial year ends on March 31, and the figures here reflect the latest complete year and comparatives. The information presented in this document is an extract of the financial statements. This summary financial information cannot be expected to provide as comprehensive an understanding of the performance of the Institute as the full financial statements. Audited financial statements can be obtained by contacting the institute. The Institute is a wholly owned subsidiary of the University of Calgary. The results of operations and the financial position of the Institute are included in the consolidated financial statements of the University, which are audited by the Auditor General of Alberta. To reflect the total amount of Institute activity, project grants and expenses in the amount of \$22,000 (2002) and \$22,000 (2001) were also administered. These grants were received by the University of Calgary and were administered by the Institute. Funding for general and administrative expenses is received from the Province of Alberta, Department of Learning, through the University. The University has also provided substantial in-kind support.



Detail from Greenland Fiord, n.d.

## Statement of Financial Position March 31, 2002

	2002	2001 <i>restated</i>
<b>ASSETS</b>		
Current assets		
Due from University of Calgary	\$754,810	\$635,049
Accounts receivable	60,100	60,765
Inventory	21,801	24,356
Prepaid expenses	<u>6,592</u>	<u>6,200</u>
	843,303	726,370
Investments	850,453	839,711
Capital assets and collections	<u>563,318</u>	<u>560,316</u>
	<u>\$2,257,074</u>	<u>\$2,126,397</u>
<b>LIABILITIES AND NET ASSETS</b>		
Current liabilities		
Accounts payable and accrued charges	\$61,135	\$66,409
Deferred revenue	90,254	89,565
Deferred contributions	<u>159,764</u>	<u>131,509</u>
	311,153	287,483
Deferred contributions	10,000	10,000
Unamortized deferred capital contributions	<u>27,425</u>	<u>25,747</u>
	37,425	35,747
Net assets		
Unrestricted net assets	894,163	772,361
Investment in capital assets and collections	535,893	534,569
Internally restricted net assets	<u>97,987</u>	<u>119,254</u>
	1,528,043	1,426,184
Endowments	<u>380,453</u>	<u>376,983</u>
	<u>1,908,496</u>	<u>1,803,167</u>
	<u>\$2,257,074</u>	<u>\$2,126,397</u>

## Statement of Revenue and Expense for the Year Ended March 31, 2002

	2002	2001 <i>restated</i>
<b>REVENUE</b>		
University of Calgary and Government grants	\$467,465	\$423,339
Sales of services and products	327,555	314,070
Donations and other grants	244,169	233,600
Investment income	27,734	131,416
Earned capital contribution	1,116	450
	<u>1,068,039</u>	<u>1,102,875</u>
<b>EXPENSE</b>		
Salaries	457,281	437,767
Benefits	67,180	63,098
Materials, supplies and services	336,568	363,423
Grants, scholarships and awards	41,616	30,550
Amortization	29,624	22,537
Travel and meeting	30,941	71,300
	<u>963,210</u>	<u>988,675</u>
Excess of revenue over expense	<u>\$104,829</u>	<u>\$114,200</u>

## Statement of Cash Flows for the Year Ended March 31, 2002

	2002	2001 <i>restated</i>
<b>OPERATING ACTIVITIES</b>		
Excess of revenue over expense	\$104,829	\$114,200
Add back items not affecting cash flow		
Amortization	29,624	22,537
Earned capital contributions	(1,116)	(450)
	<u>133,337</u>	<u>136,287</u>
Net change in non-cash working capital	26,498	5,010
Cash generated from operating activities	<u>159,835</u>	<u>141,297</u>
<b>INVESTING ACTIVITIES</b>		
Purchase of investments, net	(10,742)	(59,584)
Acquisition of capital assets	(32,626)	(31,162)
Cash applied to investing activities	<u>(43,368)</u>	<u>(90,746)</u>
<b>FINANCING ACTIVITIES</b>		
Contributions to Endowment	500	11,610
Contributions to collections	-	6,050
Capital contributions	2,794	17,197
Cash generated through financing activities	<u>3,294</u>	<u>34,857</u>
Increase in cash and cash equivalents	119,761	85,408
Due from University of Calgary, at beginning of year	<u>635,049</u>	<u>549,641</u>
Due from University of Calgary, at end of year	<u>\$754,810</u>	<u>\$635,049</u>



# Financial Support

**F**inancial support for the programs of the Arctic Institute, Canadian Corporation, during 2002 was provided by the Government of Canada, the Government of Alberta, the University of Calgary, our 1532 members and subscribers, and the following corporate associates and sponsors:

- Alberta-Pacific Forest Industries Inc.
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- Canadian Association of Petroleum Producers
- Canadian Forest Oil Ltd.
- Chevron Canada Resources Ltd.
- Conoco Canada Resources Ltd.
- Devon Canada Corporation
- Duke Energy Corporation
- Enbridge Inc.
- Encana Corporation
- Exxonmobil Canada Ltd.
- Foothills Pipe Lines Ltd.
- Haliburton Energy Services
- Imperial Oil Resources Limited
- Mancal Corporation
- Petro-Canada
- Shell Canada Limited
- TransCanada PipeLines Limited



Left to right, Back row: Gerald Holdsworth, William Barr, Eric Tull, and Ross Goodwin; Middle row: Jean McLennan, Constance Martin, Sonja Hogg, Chris Mason, Lynne Howard, Lynda Howard, and Robert MacDonald. Front row: Beverly Williston, Karla Jessen Williamson, Pam Scowen, Katherine Burningham, and Karen McCullough.



Give a friend the  
GIFT OF MEMBERSHIP  
and receive a complimentary lapel pin for  
yourself!

The only criterion for membership in the Arctic Institute of North America is an interest in the North. Members receive the quarterly journal *Arctic*. Circulating materials from the Institute library can be borrowed through the University of Calgary Library's interlibrary loan office. Inquiries regarding memberships and subscriptions should be directed to Membership Services at the Institute's headquarters in Calgary.

Membership is by calendar year, January to December. Dues in Canada are:

Member .....	\$58
Student Member; Retired Member over 65 ...	\$37
Subscribing Organization .....	\$125
Life Membership .....	\$580
Corporate Associate .....	\$2500

Inside Canada add 7% GST (or 15% HST where applicable). Outside Canada, dues are in U.S. dollars.

Single copies of *Arctic* may be purchased for \$20 each. Supplement prices may vary.

To apply for membership for yourself or as a gift, please complete the application form on the back of this page and mail with the appropriate fee and taxes to:

The Arctic Institute of North America  
University of Calgary  
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