



**Arctic Institute of North America**  
ANNUAL REPORT 2005



## 2005 BOARD OF DIRECTORS

- Michel Scott, Calgary, Alberta (Chair)
- Marion LaVigne, Yellowknife, Northwest Territories (Vice-Chair)
- Louis-Jacques Dorais, Québec City, Québec
- David S. Hik, Edmonton, Alberta (as of May 2005)
- Ingrid Johnson, Whitehorse, Yukon
- Cooper H. Langford, Calgary, Alberta
- Dennis Salahub, Calgary, Alberta
- Kathleen Scherf, Calgary, Alberta
- Jack Stagg, Ottawa, Ontario (until September 2005)
- Harry Wilmot, Calgary, Alberta
- Carl Benson, Fairbanks, Alaska (Ex officio)
- Liseanne Forand, Ottawa, Ontario (as of January 2006)

## STAFF

<b>Executive Director:</b>	Benoît Beauchamp (as of April 2005)
<b>Acting Executive Director:</b>	Mark O. Dickerson (January 2005 to March 2005)
<b>Business Manager:</b>	Sonja Hogg
<b>Membership Services:</b>	Katherine Burningham
<b>Director of Communication and Education:</b>	Dawn Johnston (as of September 2005)
<b>Editor:</b>	Karen McCullough
<b>Book Review Editor:</b>	Peter Schledermann
<b>ASTIS Manager:</b>	Ross Goodwin
<b>ASTIS Information Analysts:</b>	Lynda Howard, Lynne Howard and Pam Scowen
<b>ASTIS Volunteers:</b>	Robert van Everdingen and Syd Leung
<b>University of Calgary Librarians, AINA Collection:</b>	Anca Medesan and Claudette Cloutier
<b>Kluane Lake Research Station Managers:</b>	Andrew and Carole Williams



### The Arctic Institute of North America

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## Message from the Chair of the AINA Board

My second year as Chair of the Board brought many changes to the Arctic Institute of North America. I am proud to say that we have marked the beginning of a new era of optimism and growth for this Institute as we celebrate our 60th anniversary.

Let me begin by offering my sincere thanks to Dr. Mark Dickerson, who kindly agreed to serve as Acting Executive Director from January to March 2005, picking up where Mr. Ross Goodwin had left off. In April 2005, we were pleased to mark a new beginning at AINA by welcoming Dr. Benoît Beauchamp into the position of Executive Director. Dr. Beauchamp was recruited from his position as a successful Arctic researcher with the Geological Survey of Canada, and we were extremely pleased to bring him on board to lead the Institute.

At its May 28, 2005 meeting, Dr. Beauchamp presented the Board with an insightful analysis of AINA's strengths, weaknesses, opportunities and threats, which he followed with a clear vision of where AINA should be headed over the next five to ten years. With the Board's endorsement, he went on to develop a strategic plan detailing the steps to achieve the vision – literally, a road map to make AINA one of the world's leading knowledge institutions devoted to the circumpolar regions.

To help AINA achieve its educational and communications objectives, Dr. Beauchamp hired Dr. Dawn Johnston in September 2005. Dr. Johnston comes to AINA with a PhD in Communication and Culture, and a strong background in media and cultural studies. She will help AINA raise its profile as a research institution, as well as establishing AINA as a leading media commentator on issues of importance in the polar regions.

While AINA is looking forward and contemplating a variety of new projects and initiatives that will no doubt set the tone for the 21st century, it is also moving along with strong activities that have been the hallmark of the Institute for several decades. The truly multidisciplinary *Arctic* journal, now in its 59th year of publication, continues to be a highly regarded peer-reviewed journal devoted to Arctic research. The Arctic Science and Technology Information System (ASTIS) is also growing at a steady pace, with its website receiving record numbers of hits with each passing month. The Kluane Lake Research Station remains one of Canada's premier destinations for ecologists, biologists, glaciologists, and geologists interested by the station's unique setting next to some of North America's highest peaks and in close proximity to the Pacific Ocean. The Photographic Archives and Research Project benefited from generous funding from industry in 2005, which allowed its proponents to begin the process of posting a rich database of black and white photographs of great historical value. The Institute continues to use these flagship projects, as well as new initiatives, to build and strengthen our relationships to both the AINA

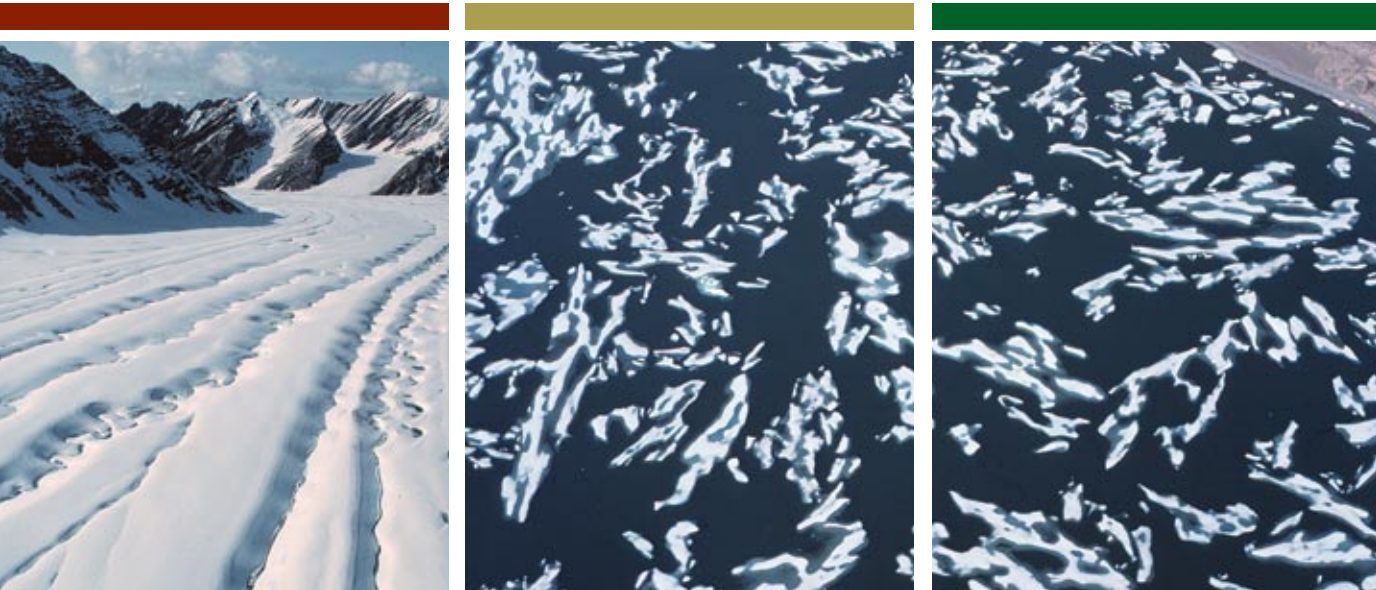
U.S. Corporation and the University of Calgary – both key partners in our continued success as an organization.

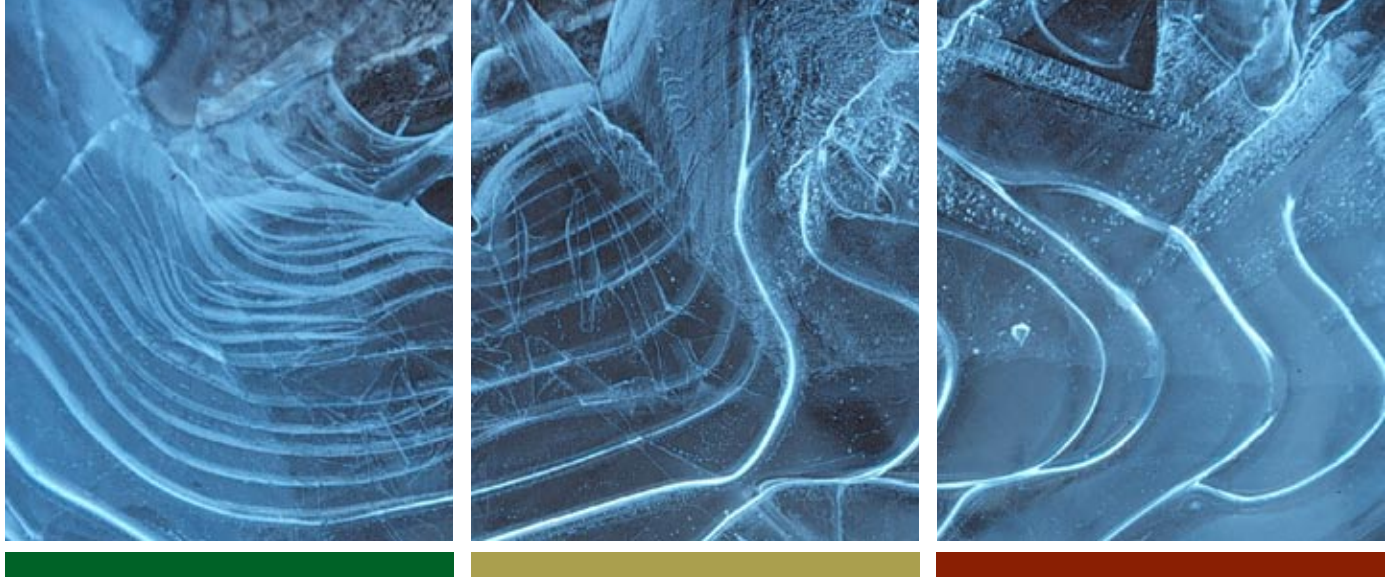
Finally, I am pleased to say that we have refreshed the composition of AINA's Board of Directors, building a coherent group of dedicated individuals with a vast knowledge and diverse interests in the North. To that end, we are pleased to welcome Dr. David Hik, a Canada Research Chair at the University of Alberta, and Executive Director of the Canadian Secretariat for the International Polar Year (IPY), and Ms. Liseanne Forand, Assistant Deputy Minister for the Northern Affairs program at the Department of Indian and Northern Affairs of Canada (INAC). These new members will be key players in our realization of AINA's vision, and we are honoured to have them on the Board.

I have full faith that 2006 will be a banner year for AINA, as its Executive Director and very capable staff embark on a set of new initiatives that will define the profile of the Institute for years to come. The Board of Directors, and myself, as its Chair, are committed to lending our full support to the organization. We are confident that AINA's devoted staff, its roster of research associates, and its faithful membership will work together to make the Institute one of the world's leading Arctic knowledge organizations in the very near future.

Michel Scott

Chair, AINA Board of Directors





## Message from the Executive Director

I joined the Arctic Institute of North America (AINA) in April 2005 after spending 18 years with the Geological Survey of Canada (GSC), conducting research in the North and leading field expeditions to the Canadian Arctic Archipelago. When presented with the opportunity to join AINA, I did not hesitate to take the leap in spite of a few clouds hanging over the organization. While the challenges that lay ahead were significant, emerging opportunities for northern and Arctic research, and a growing awareness in the public and the media for northern issues, enticed me to embark on an exciting career shift.

Not unlike the venerable organization I left, AINA is a storied organization, one that celebrated its 60th year of existence in 2005, and will celebrate the 30th anniversary of its move to the University of Calgary in 2006. This maturity is palpable through the strengths of some of AINA's flagship programs and activities. These include the excellent and truly multidisciplinary *Arctic* journal, which is about to enter its 60th year of publication under the skillful hand of Dr. Karen McCullough; the Arctic Science and Technology Information System (ASTIS), which keeps growing both in the volume of publications it has indexed to date, and in the number of its users and sponsors under the sound management of Ross Goodwin; and the Kluane Lake Research Station in the Yukon Territory, which, in the capable hands of base manager Andy Williams, supports a variety of research and educational activities every summer, through the commitment of a solid core of scientific users from across Canada. Complementing these flagship programs are the ever-growing library collection, the popular scholarship and grant-in-aid programs and the yearly production of books, both under the Northern Lights Series and other series. When the dedicated group of Research Associates and their research activities is added to the mix, AINA is truly a solid organization with a bright and exciting future. That's why I joined it.

The year 2005 saw the completion of a few projects that had been spearheaded in previous years by Drs. Karla Jessen Williamson and Robert Williamson. These include the publication of the Proceedings of the 14th Inuit Studies Conference and the Bibliography of the Distant Early Warning (DEW) Line. Both publications are freely available on our newly redesigned web site, the brainchild of AINA's new Director of Communication and Education, Dr. Dawn Johnston. Another significant event, rooted in months, if not years, of planning was the move of the Institute from the 11th floor of University of Calgary's MacKimmie Library Tower, where it had resided for the past 30 years, to a brand-new, and much smaller, space on the eighth floor of the same building. The move entailed much culling, archiving and reorganizing of physical assets, the remarkable accomplishment of AINA's Business Manager, Sonja Hogg, Membership Specialist, Katherine Burningham, and former Executive Director, Dr. Peter Schledermann. The year 2005 also saw the Photographic Archives and Research Project take flight through the efforts of Research Associate

Constance Martin, supported by generous contributions from a variety of sponsors. This project is an important emerging flagship activity for AINA and should grow along exciting lines in the years to come.

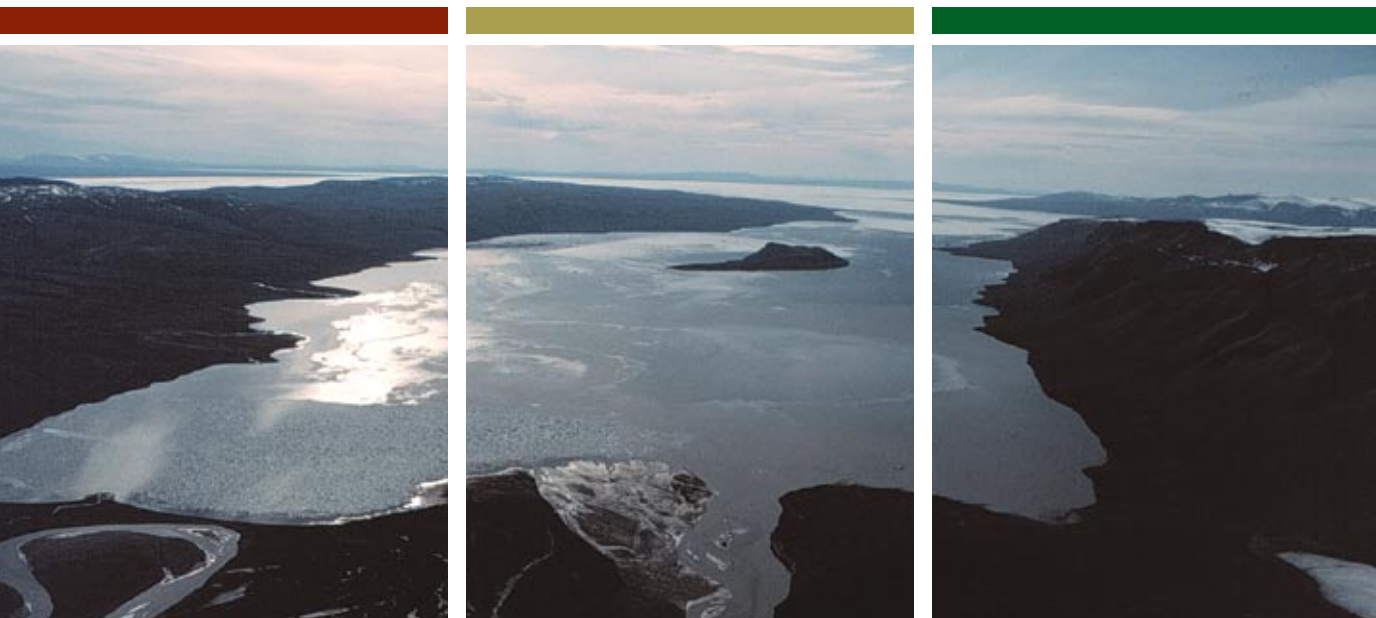
Upon my arrival at AINA, I spent a great deal of time developing, in consultation with the Board of Directors, a new vision for the organization, one that is well within our reach. The vision is built around eight cornerstones that include: University of Calgary / University of Alaska Northern Dimension; Research Program; Partnership and Networking; Expertise and Visibility; Education, Learning and Outreach; Knowledge, Information and Data; Logistics, and Northern Communities. A strategic road map outlining how to achieve the vision was also produced and will be the foundation of a Business Plan to be widely distributed in 2006, helping AINA achieve its ambitious fund-raising objectives. Of the many components of this vision, building solid bridges with the University of Calgary and the University of Alaska in Fairbanks, the respective host of the Canadian and U.S. sides of AINA, was an important priority in 2005. Likewise, a great deal of energy was spent raising the visibility and profile of the organization with the general public through the sponsoring of events and regular high-profile appearances in the media.

Some of the key challenges for 2006 will include orchestrating a smooth transition to publishing the *Arctic* journal online, while continuing to publish paper-based issues to satisfy our entire membership. Curbing a slow decline in membership numbers, while enticing a whole new generation of young Arctic researchers to support AINA, will be another challenge as well as a top priority. Finally, 2006 will bring us one step closer to the International Polar Year (IPY) and much of our energy and resources will be devoted to ensuring an important role for AINA, both during and after IPY.

AINA has a very bright future, and I am proud to be part of it.

Benoît Beauchamp

Executive Director





## AINA U.S. Corporation

The Arctic Institute of North America was founded jointly in Canada and the U.S. in 1945. It operated with a single board of governors until 1976, when it split into two corporations, one in each country. However, the chair of each board is an ex-officio member of the other board, and there is only one Arctic Institute of North America (AINA).

The U.S. Corporation of AINA is located in Fairbanks, Alaska, at the University of Alaska (UAF). It receives office and secretarial support from the University of Alaska (UA) and UAF. UA (representing the three campuses: Fairbanks, Anchorage and Juneau) has a memorandum of agreement on academic matters with the University of Calgary (UC), which AINA can enhance.

UA is interested in increasing both communication within the "Arctic community" on its three campuses, and the university's national and international visibility as a major Arctic research and teaching facility. It is also interested in developing international collaborations because so many Arctic issues cross national boundaries.

The University of Alaska has a long tradition of ties with western Canada. From the founding of UA, in the Territory of Alaska, residents of the Yukon Territory were given resident status for tuition at UA. Today, resident status for tuition at UA persists for the Yukon and has been extended to the Northwest and Nunavut Territories, as well as to British Columbia. AINA is devoted to maintaining and strengthening these ties.

Since 1995, the U.S. and Canadian Corporations have worked jointly to revive the Grant-in-Aid Program. One of the first AINA programs in the 1940s, it helped many young people start their careers. The program lapsed in the mid 1970s, but in the decade since it was reestablished, a total of nearly \$67,000 has been given out in small grants to 52 Canadian, 38 American, 1 Finnish and 1 British citizen. A bi-national committee administers the program, and funding comes entirely from member donations.

On 24 March 2005, the AINA U.S. Corporation sponsored the 11th Arctic Roundtable in Fairbanks, entitled: "Evidence for, and Consequences of, Climate Change in the Arctic and Subarctic." A brief description of the Arctic Roundtable was published in the September 2004 issue of *Arctic*.

The U.S. and Canadian Corporations of AINA joined several other organizations in hosting the "Arctic Reception" (now called the "Polar Reception") at the autumn meeting of the American Geophysical Union (AGU). This reception was started by AINA 15 years ago. The U.S. Arctic Research Consortium (ARCUS) joined as a cosponsor and in 2005 the AGU and the U.S. Polar Research Board also participated. The annual reception helps the several hundred Arctic people attending the meeting find each other among the thousands present and is a highlight of the meeting for many.

In July 2005, Dr. Benoît Beauchamp, the newly appointed Executive Director of the Canadian Corporation, visited Fairbanks, where he met with members of the U.S. Board of Governors and officers of the University of Alaska. This visit helped to strengthen the bonds between the Canadian and U.S. Corporations. Two members of the U.S. Board participated in the Canadian Board meeting in January 2006. AINA is both an international and a membership organization. It is

also the oldest organization in North America dedicated to advancing knowledge about the Arctic. These unique assets are the foundations upon which we will build.

During 2005, the AINA U.S. Corporation again obtained funding from the University of Alaska for the journal *Arctic*.

## 2005 AINA News, Media, and Events Highlights

2005 was a high-profile year for the Arctic Institute of North America. In a concentrated focus to raise the visibility of the Institute within the university, within Calgary, and indeed, both nationally and internationally, new Executive Director Benoît Beauchamp developed a communications plan which has succeeded in bringing AINA a good deal of public attention.

Dr. Beauchamp began by writing a series of editorials for the *Calgary Herald*, focusing on northern issues that were already gaining significant public and media attention, including the Hans Island controversy, climate change, and the Calgary Zoo's newly-announced Arctic Shores exhibit. These articles drew interest from a number of other media outlets, and the Arctic Institute began to provide frequent expert commentary to local and national media.

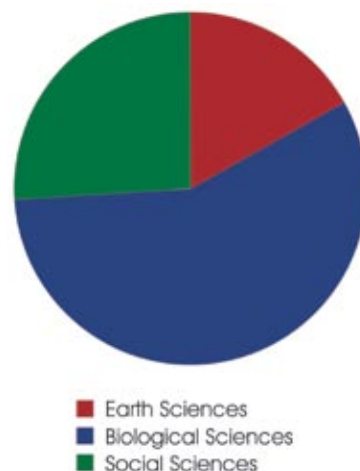
With the increased media presence of the Institute, it became pressing to have a concerted and sustained coordination of media and events. In September, a new Director of Communication and Education was hired to focus on exactly these issues. Under Dawn Johnston's portfolio, the Arctic Institute continued to increase its presence in the media and public eye, through the development and launch of a brand new website for the Institute, the sponsorship of a major exhibit of the works of Inuit artist Napachie Pootoogook, and a flourishing relationship between the Arctic Institute and the Calgary media.

### *Arctic*

The four issues of *Arctic* published in 2005 included 33 research articles, 2 research notes, 30 book reviews, 3 obituaries, 1 Arctic profile, 2 letters to the editor, and 1 commentary. The pie chart shows the breakdown of articles and research notes by major disciplinary category.

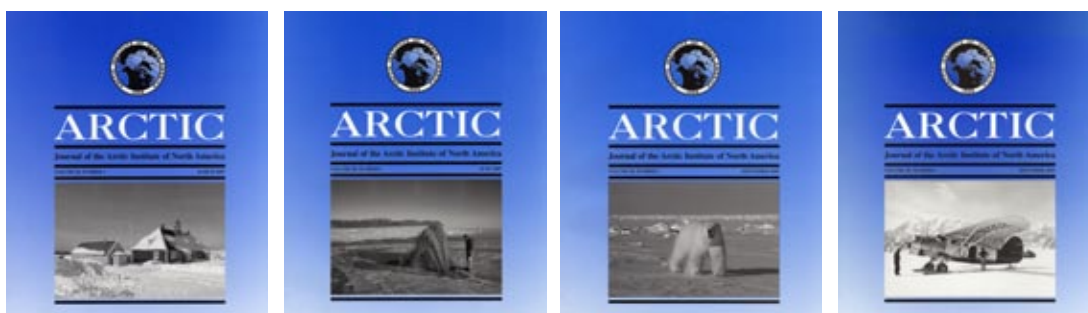
By the end of 2005, all articles, notes, profiles, commentaries, and obituaries from Vol. 50 (1997) to Vol. 55 (2002) were made freely available in PDF format on the *Arctic* Contents page of the AINA website. The remaining issues back to Vol. 47, No. 3 (September 1994) were completed early in 2006. The September 1994 issue was the first one to be desktop published rather than typeset at the print shop.

In late September we received \$5000US from the AINA U.S. Corporation in support of the journal. As in 2004, this contribution from the University of Alaska was through the



President's office and we are deeply grateful to Carl Benson, Chair of the AINA U.S. Board of Governors, for his efforts in obtaining this support for the journal from the University of Alaska.

As part of AINA's participation in the upcoming International Polar Year (IPY), a proposal was submitted this past fall to the International IPY office for the Education and Outreach cluster for a project entitled "Popularization of Northern Scholarly Articles for Public Interest." The project's goal is to make scholarly writing about the North more accessible to the general public in both the North and the South. This goal would be accomplished by the selection of articles from *Arctic* and other northern-related journals for popularization and the provision of these synopses on the AINA website. In this way we hope to provide interested non-specialists with a place to go for solid, complex information presented in an easy-to-read, accessible manner. If successful in obtaining funding for the project, we see this as something that has the potential to continue on beyond the IPY years of 2007–08. To date, the editors of *Polar Research* (Norwegian Polar Institute), *Polar Record* (Scott Polar Research Institute), and *The Northern Review* (Northern Review Society, Whitehorse Yukon) have expressed interest in partnering with AINA on this project.



## Arctic Science and Technology Information System

The Arctic Science and Technology Information System (ASTIS) is Canada's northern database. ASTIS contains 59,000 records describing publications and research projects about northern Canada. In operation since 1978, ASTIS covers all subjects, and is funded through contract work and donations.

The ASTIS database is available for free on the Arctic Institute's website. ASTIS is searchable from a Simple Search page, from 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 website 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 websites for clients. The ASTIS page of the Institute's website provides access to 11 such 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 on CD-ROM and the Web.

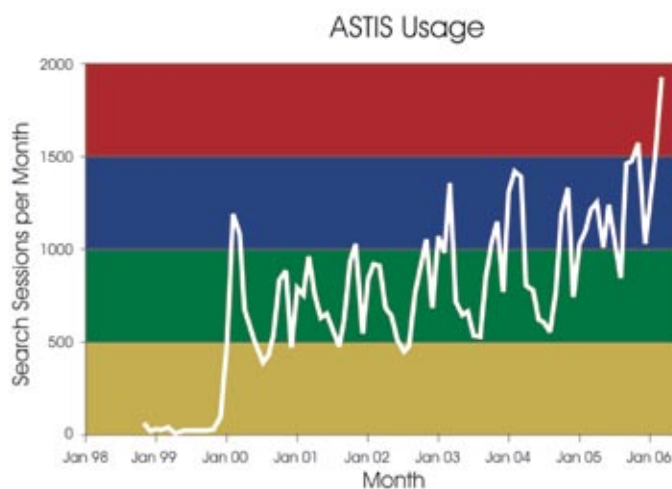
Ongoing ASTIS projects that continued during 2005 included work with Makivik Corporation, Indian and Northern Affairs Canada (INAC), the Canadian Circumpolar Institute and the Centre d'études nordiques on the Nunavik Bibliography; work for INAC on the Hydrocarbon Impacts database; work for the Nunavut Planning Commission on the Nunavut Environmental Database; work for the INAC Land and Water Management Division on the Northern Granular Resources Bibliographic Database; work for the Northern Contaminants Program on the NCP Publications Database; work

with the Inuvialuit Joint Secretariat on the Inuvialuit Settlement Region Database funded by Shell Canada; work for the Yukon Biodiversity Working Group on the Yukon Biodiversity Database funded by Foothills Pipe Lines and the Yukon Government; work for the Canadian Polar Commission to identify and index journal papers, theses, research projects and symposia for the Commission's indicators of Canadian polar knowledge; and work for the northern Canadian petroleum industry to index publications about the Northwest Territories and Beaufort Sea.

Future ASTIS projects include participation in the International Polar Year Publications Database and development of a bibliographic database for the Canadian Institutes of Health Research Team in Circumpolar Health Research: Averting Emerging Chronic Diseases in Northern Populations.

During 2005 ASTIS added Digital Object Identifiers (DOIs) to many of the recent journal paper records in its databases. More than 3800 ASTIS records now provide links to full-text PDF files using DOIs or URLs.

As shown in the accompanying graph, in March 2006 ASTIS set a new record for monthly usage, with 1932 search sessions of the main and subset databases.



## Kluane Lake Research Station

Kluane Lake Research Station (KLRS) is located near the Alaska Highway, 220 km northwest of Whitehorse, Yukon, on the south shore of Kluane Lake. The research station is one of the most valued, celebrated, and well-used facilities of the Arctic Institute.

The extreme elevation difference between Kluane Lake and the crest of the St. Elias Mountains establishes a strong gradient in environmental attributes and results in a remarkable diversity of research opportunities within a small geographical area. This diversity is reflected in the unique scientific legacy of KLRS. Since 1961, when the base was founded, it has fostered research projects spanning the disciplines of glaciology, geomorphology, geology, biology, botany, zoology, hydrology, limnology, climatology, high-altitude physiology, anthropology, and archaeology.





In the field season of 2005, the KLRS was host to numerous field schools, two “satellite” camps, and many individual researchers and study groups, including the following:

Dr. R. Turkington (UBC)	Climate change adaptation of plants
Dr. P. Johnson and Dr. C. Zdanowicz (U of Ottawa)	Geography and Glaciology field schools
Dr. R. Boonstra (U of Toronto)	Biomedical investigations
Dr. C. Krebs (UBC)	Kluane Ecological Monitoring Project
Dr. D. Hik (U of Alberta)	Small mammal and plant response to climate change
Dr. G. Clarke (UBC)	Glacier Dynamics
Dr. G. Holdsworth (AINA)	Climate studies, Mount Logan
Dr. S. Slocombe (U of Waterloo)	Geography Field School
Dr. T. Hutchinson (U of Trent)	Abandoned mine site re-vegetation



Photographs and research reports are available in the second issue of the Kluane Lake Research Station Newsletter at <http://pubs.aina.ucalgary.ca/aina/KLRSNews02.pdf>.

Kluane Lake Research Station is supported by an infrastructure grant from the Natural Sciences and Engineering Research Council. Some of these funds were used in the continuing construction of a new laboratory building, which includes wet and dry labs, reading and computers rooms, and office space. It is expected that the interior of this facility will be completed in 2006.

The KLRS would also like to acknowledge the contribution of computer equipment by the University of Toronto.

## Photographic Archives and Research Project (PARP)

The Arctic Institute's Photographic Archives and Research Project made excellent progress in 2005, and is now well on its way to becoming one of AINA's flagship programs. With generous sponsorship from Devon Canada, ATCO Frontec, TransCanada Pipelines, MDIOS, Mullen Trucking, AKITA Drilling, and NorTerra, we have begun the exciting process of archiving, historically documenting, and uploading photographs to the Photographic Archives Database on the AINA website.

The Arctic Institute's photographic collection consists of over 8000 photographs dating from the late 1800s through the 1900s, nearly 1000 of which now appear in digital format online. The collection came to the University of Calgary from Montreal when the Institute moved here in the 1970s. Consisting mostly of black and white prints, but also some negatives and slides, the bulk of the collection dates to the first half of the 20th century. The photos were taken on a variety of expeditions and patrols by scientists, mountaineers, police and military patrols, and other Arctic explorers.

The collection is particularly valued for its insights into history, culture, and science. Much of the content includes an emphasis on Inuit cultural life and various scientific themes such as geology, glaciology, archaeology, and oil and gas exploration. Some of AINA's larger collections include those from D.A. Nichols, Patrick D. Baird, M.H.W. Ritchie, Colonel Walter. A. Wood, Henry Larsen, and Margaret Oldenburg. Several collections also fall under certain expeditions, including a particularly large collection from the 1950s era Exercise Muskox.

The collection is currently being professionally archived at the Arctic Institute, and has benefited in the last year from the skills and expertise of Research Associate Constance Martin, and technical assistants Josiah Xiong and Marina Maksimovic, whose work on the digitization of the collection for online access is bringing this project to fruition.

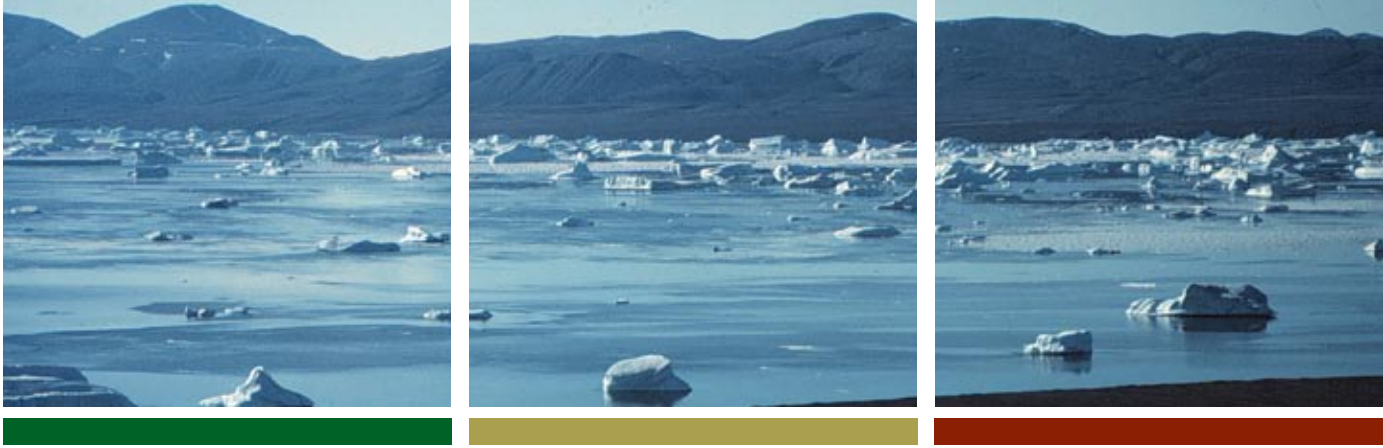


## Northern Lights Series

The mandate of this joint AINA and University of Calgary Press 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 the series is the North, broadly defined as those circumpolar regions situated within the zone of continuous and discontinuous permafrost. William Barr continued as series editor for 2005.

Two new titles were published in 2005 as part of the Northern Lights Series:





No. 7: *Breaking Ice: Renewable Resource and Ocean Management in the Canadian North*, edited by Fikret Berkes, Alan Diduck, Helen Fast, Rob Huebert, and Micheline Manseau.

No. 8: *Alliance and Conflict: The World System of the Inupiaq Eskimos*, by Ernest S. Burch, Jr. This book was co-published with the University of Nebraska Press.

## Other Publications

2005 brought the completion of two major publications of the Arctic Institute of North America: the Proceedings of the 14th Inuit Studies Conference and the DEW Line Bibliography and Documentary Resource List, both published in early 2006.

During the 14th Inuit Studies Conference, organized by the Arctic Institute and held August 11-15, 2004, a total of 78 presentations were made under the theme "Bringing Knowledge Home: Communicating Research Results to the Inuit." The 410-page Proceedings volume contains an outline of the sessions and 23 full papers, as well as abstracts for an additional 55 presentations. Compiled and edited by AINA Research Associate Robert O. van Everdingen, the Proceedings can be found at: <http://pubs.aina.ucalgary.ca/aina/14thISCProceedings.pdf>.

The DEW Line Bibliography and Documentary Resource List, compiled by P. Whitney Lackenbauer, Matthew J. Farish, and Jennifer Arthur-Lackenbauer, provides a list of relevant sources on the DEW Line and Cold War continental defence. The document focuses on primary sources available in Canada, as well as a survey of published sources from both Canada and the United States. The Bibliography meets the long-overdue need for significant scholarly attention to the Distant Early Warning (DEW) Line. The DEW Line Bibliography and Documentary Resource List can be accessed on the AINA publications server at: <http://pubs.aina.ucalgary.ca/aina/DEWLineBib.pdf>.

## Scholarships

The 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.

Shawn Morrison, a doctoral candidate in the Department of Biological Sciences, University of Alberta, was the 2005 winner of the Jennifer Robinson Scholarship. Mr. Morrison's doctoral research focuses on the foraging ecology and population dynamics of collared pikas (*Ochotona collaris*) in an alpine valley near Kluane Lake in the southwestern Yukon.

Another doctoral student in Biological Sciences at the University of Alberta, Jane Kirk, was the winner of the 2005 Lorraine Allison Scholarship. For her doctoral research, Ms. Kirk is

studying the cycling of mercury in the Arctic environment, particularly the role of open-water areas such as polynyas in the concentration and movement of mercury in the Arctic biosphere. Shawn Morrison and Jane Kirk each prepared an essay on their research for the March 2006 InfoNorth section of *Arctic* (Vol. 59, No. 1). The essays are available on the *Arctic* Contents page at [www.arctic.ucalgary.ca/sections.php?sid=publications&cid=arctic\\_contents](http://www.arctic.ucalgary.ca/sections.php?sid=publications&cid=arctic_contents).

Tina Benoit was the 2005 recipient of the Jim Bourque Scholarship. Originally from the community of Conne River, Micmac Territory, Newfoundland, Ms. Benoit is currently enrolled in the Master of Arts in Environment & Management program in the School of Environment and Sustainability at Royal Roads University in Victoria, British Columbia.

The Arctic Institute administers three additional scholarships: BP Canada Educational Award, Budget Calgary Endowment, and Gerald Thompson Scholarship. These were not awarded in 2005.

## AINA Grant-in-Aid Program

Re-established in 1995, largely through the efforts of the AINA U.S. Corporation, the Grant-in-Aid program is funded by annual contributions from the membership. All contributions are distributed directly to recipients; none are used for administrative purposes. In 2005, our volunteer Grant-in-Aid Committee - Stephen Braund, Erich Follmann, Peter Johnson, and Matthew Sturm - adjudicated 21 applications submitted for Grant-in-Aid Awards and awarded grants to eight students representing universities in Canada, the United States, and England. The recipients of the 2005 awards are as follows:

- Kyle Elliot, University of Manitoba, studying the foraging behaviour of thick-billed murres in northern Hudson Bay;
- Alexia Kelley, University of Virginia, conducting research on buried seeds and succession in Arctic frostboil ecosystems along a high-latitude temperature gradient;
- Trevor Lants, University of British Columbia, investigating climate change, disturbance, and tall shrub dynamics in the Mackenzie Delta;
- Amber Lincoln, Oxford University, revisiting a historic collection to look at the shifting meaning of objects across British museums and Inupiaq communities;
- Shelley Marshall, Simon Fraser University, investigating the behavioural effects of bear viewing on the time budget of grizzly bears along the Fishing Branch River, Yukon Territory;
- David Miller, University of Alaska Fairbanks, developing a simple method for monitoring seasonal patterns of growth in Alaskan eelgrass;
- Jennifer Turner, McGill University, researching the adaptive strategies for Inuvialuit communities that are coping with climate change in the Canadian Arctic;
- Don Youngblut, Carleton University, developing a multi-proxy approach to study paleo-environmental variability and ecosystem response in southwest Yukon.





Information on the Grant-in-Aid application procedures and deadlines is available on the Institute's website.

## Northern Scientific Training Program

Since 1979, the Arctic Institute of North America has adjudicated and administered the Northern Scientific Training Program (NSTP) grants. First established in 1961 by the Department of Indian Affairs and Northern Development (now Indian and Northern Affairs Canada), the NSTP grants are designed to encourage young scientists in Canada to undertake research in the North by offsetting the significant expenses of northern travel.

In 2005, the Arctic Institute was pleased to award NSTP grants to 12 students undertaking undergraduate and graduate research in the areas of Archeology, Environmental Science, and Physical Geography. This year's recipients are participating in fieldwork in Churchill, Manitoba; Siberia, Russia; Fort Selkirk, Indian River; Northern Alberta; Arviat, Nunavut; and Ellesmere Island. The 2005 NSTP recipients are:

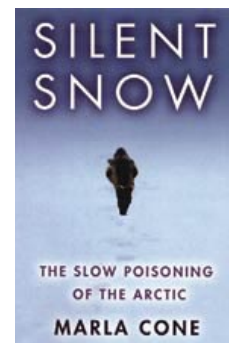
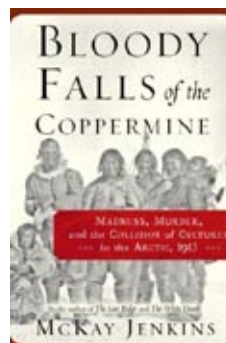
Brent Else (1st Year Masters)	Marie Redburn (1st Year Masters)
Kathleen Faccia (First Year Doctorate)	Randall Scharien (1st Year Doctorate)
Torsten Geldsetzer (3rd Year Doctorate)	Adrienne Tivy (1st Year Doctorate)
Stephen Howell (2nd Year Doctorate)	Matthew Walls (4th Year Undergraduate)
Jennifer Klassen (5th Year Undergraduate)	Vivian Wasiuta (2nd Year Masters)
Faye Nelson (1st Year Masters)	Andrea Waters-Rist (2nd Year Doctorate)

The University's NSTP committee for 2005 was chaired by AINA Research Associate William Barr and included John Post, Brian Moorman, Len Hills, Peter Dawson, and Richard Davis. Administrative support for the committee was provided by NSTP Coordinator Katherine Burningham and AINA Business Manager Sonja Hogg.

## AINA Library

The Arctic Institute Library collection continues to grow through the purchase of books and serials by the University of Calgary Library, through the continued receipt of polar journals in exchange for the journal *Arctic* (supplied by the Arctic Institute for complimentary exchanges), and through donations.

During the 2005 fiscal cycle, 37 new titles were



ordered through the Northern Studies fund. Northern Studies research support was further enhanced by the acquisition of 40 titles through other library funds. An additional 716 copy records for 634 titles were also added to the Library with assistance from Bibliographic Services, from donations of materials received from ASTIS and from material that has previously been housed in the Pipeline Room.

There has been a lot of interest expressed in the Pipeline Room collection recently and as a result, the University of Calgary Library will be working to make the material more accessible. For an overview of the AINA collection and links to other research resources for Northern Studies, visit the web pages created at: <http://library.ucalgary.ca/subjectpages/interdisciplinary/northernstudies/index.php>.

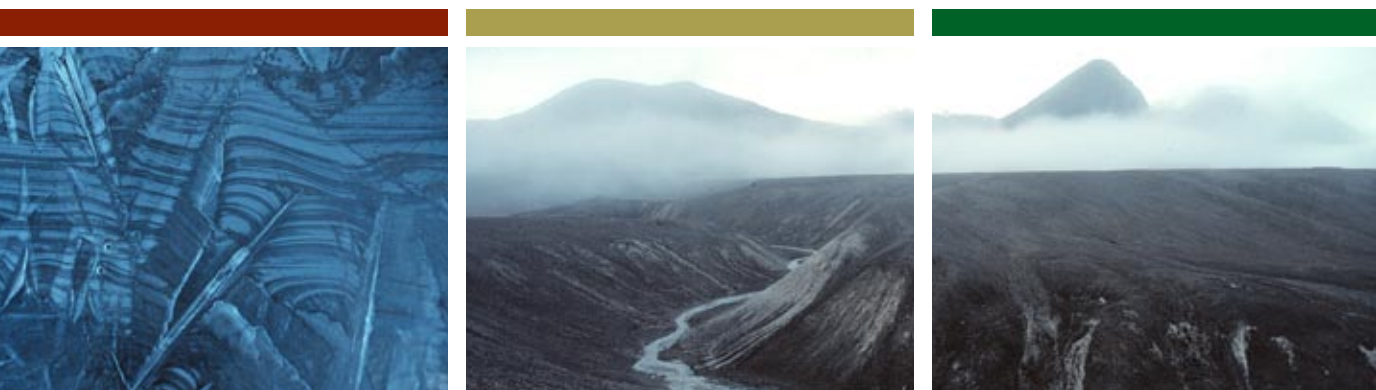
Anca Medesan was the interim Northern Studies/Arctic Institute Librarian during 2005. Claudette Cloutier returned from leave January 2006 and looks forward to providing research assistance to students, faculty, staff, and visiting researchers who need Arctic and polar information.

## Research Associates

Research associates are appointed by the Board of Directors. During 2005 the Institute had more than 50 research associates, covering various aspects of research in the natural, physical and social sciences, as well as the humanities and fine arts. 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 website under "Research and Education."

- Don Albright, Biology
- Cindy Allen, Dene Musicology
- Charles Arnold, Archaeology and Museology
- William Barr, Geography and History
- Margaret Bertulli, Archaeology
- Ellen Bielawski, Anthropology
- Lloyd Binder, Economic Development
- Jean Blodgett, Art
- Rai Brown McCutcheon, Gender Studies
- Leo Bushman, Art
- Dave Button, Education
- Garry K.C. Clarke, Glaciology
- Helen Corbett, Film and Journalism
- Peter C. Dawson, Archaeology
- Ken de la Barre, Human Geography
- Mark O. Dickerson, Political Science
- Elmer Ghostkeeper, Aboriginal Studies
- Jeff Gilmour, Law
- John Graham, Social Work
- Norman Hallendy, Ethnohistory
- Gerald Holdsworth, Glaciology
- Gunhild Hoogensen, Political Science
- Robert Huebert, Political Science
- Martha Johnson, Anthropology
- Peter G. Johnson, Geography
- Karim-Aly Kassam, Arctic Social Science
- Barbara Kingscote, Veterinary Medicine
- Heidi E. Klein, Environmental Planning
- P. Whitney Lackenbauer, History
- Nic Larter, Zoology
- Alices Legat, Anthropology
- David Lertzman, Aboriginal Studies





- Robert MacDonald, History
- Sean Maher, Anthropology
- Constance Martin, Art History and Curator
- Virginia McGowan, Health Sciences
- Robert McPherson, Geology and History
- Frank Miller, Wildlife Biology
- Magdalena Muir, Law, Environment and Resource Management
- Dave Norton, Ecology
- Martin Raillard, Arctic Ecology
- Joan Ryan, Anthropology (until May 2004)
- Peter Schledermann, Archaeology (until May 2004)
- John James Yackel, Geography
- José Zorrilla, Interdisciplinary

- Alan Smart, Anthropology
- Mary Leeds Stapleton, History and Planning
- Susanne Swibold, Film and Journalism
- Darielle Talarico, Ecotourism
- Callum Thomson, Archaeology and Expedition Cruise Tourism
- Jane Sproull Thomson, Inuit Art & Culture; Heritage Planning
- Jack Van Camp, Environmental Science
- Robert van Everdingen, Hydrogeology
- Robert G. Williamson, Anthropology
- Wanda Wuttunee, Native Studies, Law, and Management

## Selected 2005 Publications of AINA Research Associates and Staff

**BARR, W.**, and **WATT, J.P.C.** Pioneer whalers in the Ross Sea, 1923–33. *Polar Record* 41(219):281–304.

**BROWNLEE, K.**, and **GRAHAM, J.R.**, eds. *Violence in the family: Readings and research from northern and rural Canada*. Toronto: Canadian Scholars Press.

**GANGLOFF, R.A.**, **FIORILLO, A.R.**, and **NORTON, D.W.** The first pachycephalosaurine (Dinosauria) from the paleo-Arctic of Alaska and its paleogeographic implications. *Journal of Paleontology* 79(5):997–1001.

**GOODWIN, R.** The Arctic Science and Technology Information System: Subset databases as a method of improving comprehensiveness. *Polar research: Let us share - Amiqqaaluta, Proceedings of the 20th Polar Libraries Colloquy, Ottawa, Ontario, Canada, June 7 - 11, 2004*. Ottawa: Polar Libraries Colloquy - Ottawa Committee.

**HOOGENSEN, G.** Bottom's up: A toast to regional security. *International Studies Review* 7(2):269–274.

**HOWELL, S.E.L.**, **YACKEL, J.J.**, **DE ABREU, R.A.**, **GELDSETZER, T.**, and **BRENEMAN, C.** On the utility of SeaWinds/QuikSCAT for the estimation of the thermodynamic state of first-year

sea ice. *IEEE Transactions on Geoscience and Remote Sensing* 43(6):1338–1350.

**MILLER, F.L., BARRY, S.J., and CALVERT, W.A.** Conservation of Peary caribou based on recalculation of the 1961 aerial survey on the Queen Elizabeth Islands, Arctic Canada. *Rangifer Special Issue* 16:65–75.

----- Sea-ice crossings by caribou in the south-central Canadian Arctic Archipelago and their ecological importance. *Rangifer Special Issue* 16:77–88.

----- St. Matthew Island revisited: Their demise was not nigh—but then, why did they die? *Rangifer Special Issue* 16:185–197.

**MUIR, M.A.K.** The Beaufort Sea partnership: An integrated management initiative for the Beaufort Sea. Government of Canada.

SCHARIEN, R., and **YACKEL, J.J.** Analysis of surface roughness and morphology of first-year sea ice melt ponds: Implications for microwave backscatter. *IEEE Transactions on Geoscience and Remote Sensing* 43(12):2927–2939.

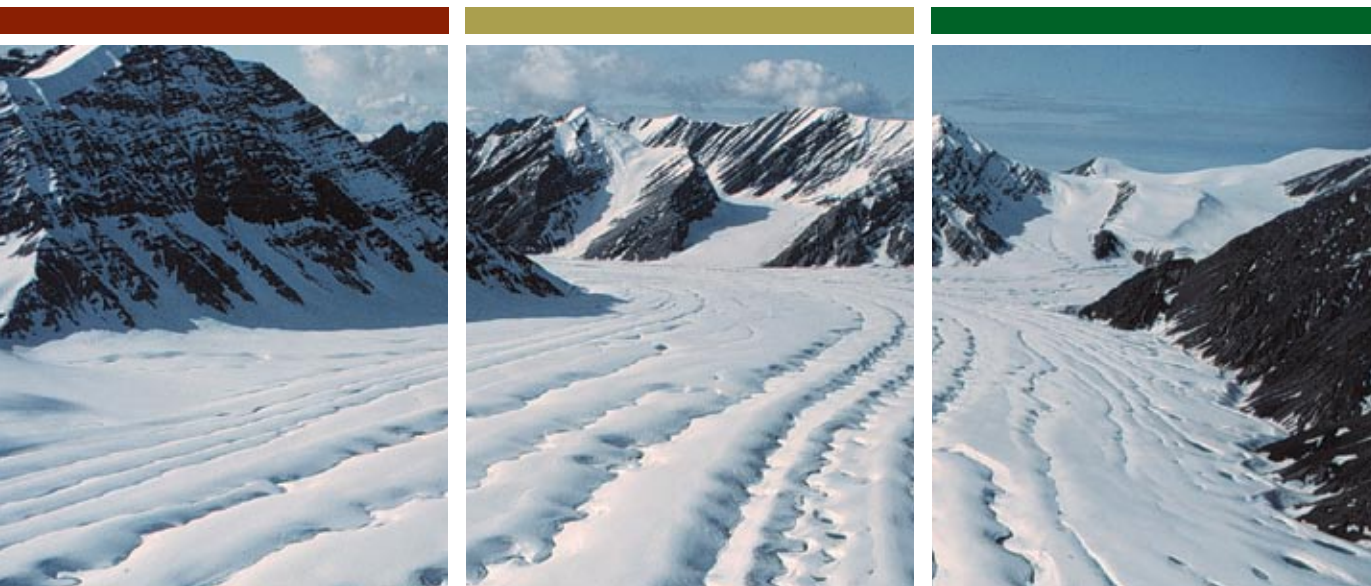
**THOMSON, J.S.** Review of *Napachie Pootoogook*, by Leslie Boyd Ryan and Darlene Coward Wight. *Canadian Ethnic Studies* 47(2):116–118.

**THOMSON, J.S.,** and RATZLAFF, L. Andrew Qappik's contemporary Arctic visions. *Inuit Art Quarterly* 20(4):10–16.

USHER, M.B., CALLAGHAN, T.V., GILCHRIST, G., HEAL, B.K., JUDAY, G.P., LOENG, H., **MUIR, M.A.K.**, and PRESTRUD, P. Principles of conserving Arctic's biodiversity. Arctic climate impact assessment: Scientific report, Chapter 10. Cambridge: Cambridge University Press.

**VAN EVERDINGEN, R.O.,** ed. Multi-language glossary of permafrost and related ground-ice terms. Revised online edition at <http://nsidc.org/fgdc/glossary>.

-----, ed. Proceedings of the 14<sup>th</sup> Inuit Studies Conference, 11–15 August 2004. Calgary: The Arctic Institute of North America. Online edition at <http://pubs.aina.ucalgary.ca/aina/14thISCProceedings.pdf>.





## Financial Support

Financial support for the programs of the Arctic Institute, Canadian Corporation, during 2005 was provided by the Government of Canada, the Government of Alberta, the University of Calgary, the University of Alaska, over 1400 members and subscribers, and the following corporate associates and sponsors:

- Akita Equitak Drilling Ltd.
- ATCO Frontec
- BP Canada Energy Company
- Calgary Zoo
- Canadian Association of Petroleum Producers
- Canadian Forest Oil Ltd.
- Canadian Western Bank
- Chevron Canada Resources Ltd.
- City of Calgary, Environmental Management
- Colt Engineering Corporation
- ConocoPhillips Canada Resources Ltd.
- Devon Canada Corporation
- Enbridge Inc.
- EnCana Corporation
- ExxonMobil Canada Ltd.
- Imperial Oil Resources Limited
- Mackenzie Delta Integrated Oilfield Services
- Mancal Corporation
- NorTerra Inc.
- Petro-Canada
- Rozsa Foundation
- Shell Canada Limited
- TransCanada PipeLines Limited



## Financial Report for the Fiscal Year Ended March 31, 2005 (Condensed)

The 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 \$32,765 (2005) and \$21,500 (2004) 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 Advanced Education, through the University. The University has also provided substantial in-kind support.

## Statement of Financial Position as at March 31, 2005

	2005	2004
<b>ASSETS</b>		
Current Assets		
Due from University of Calgary	\$ 832,357	\$ 778,163
Petty Cash	400	400
Accounts receivable	71,427	89,953
Inventory	15,607	19,212
Prepaid expenses	2,982	9,488
	922,773	897,216
Investments	1,105,235	969,302
Capital Assets and Collections	587,215	557,273
	<b>\$ 2,615,223</b>	<b>\$ 2,423,791</b>
<b>LIABILITIES AND NET ASSETS</b>		
Current Liabilities		
Accounts payable and accrued charges	\$ 68,083	\$ 58,424
Deferred revenue	84,633	80,210
Deferred contributions	116,390	80,293
	269,106	218,927
Unamortized Deferred Capital Contributions	55,196	30,385
Net Assets		
Unrestricted net assets	1,193,102	1,071,746
Investment in capital assets and collections	532,019	526,888
Internally restricted net assets	163,942	182,208
Endowments	401,858	393,637
	2,290,921	2,174,479
	<b>\$ 2,615,223</b>	<b>\$ 2,423,791</b>

## Statement of Revenue and Expense for the Year Ended March 31, 2005

	2005	2004
Revenue		
University of Calgary and government grants	\$ 382,013	\$ 463,642
Sales	438,650	390,127
Donations and other grants	249,228	211,174
Investment Income	77,955	194,335
Earned capital contributions	6,094	3,309
	1,153,940	1,262,587
Expenses		
Salaries	549,185	512,265
Benefits	73,449	77,998
Materials	337,750	285,167
Grant and scholarships	27,600	36,365
Amortization	22,188	21,249
Travel and meeting	29,776	20,386
	1,039,998	953,430
Excess of revenue over expense	\$ 113,942	\$ 309,157

## Statement of Cash Flows for the Year Ended March 31, 2005

	2005	2004
Cash Provided from (used in):		
<b>Operating Activities</b>		
Excess of revenue over expense	\$ 113,942	\$ 309,157
Items not affecting cash flow:		
Amortization of Capital assets	22,188	21,249
Amortization of deferred capital contributions	(6,094)	(3,309)
Gain on non-endowed and internally restricted endowment investments	(24,687)	(145,676)
Net change in non-cash working capital	78,816	(73,888)
	184,165	107,533
<b>Investing Activities</b>		
Purchase of capital assets, net	(52,130)	(20,189)
Contribution of non-amortizable assets	2,500	314
Increase in long-term investments, net	(103,663)	(85,983)
Gain on investments related to externally restricted endowments	(7,583)	(51,157)
	(160,876)	(157,015)
<b>Financing Activities</b>		
Capital contributions	30,905	2,972
Gain on externally restricted endowments	-	51,157
	30,905	54,129
Increase in cash and cash equivalents	54,194	4,647
Due from University of Calgary, at beginning of the year	778,163	773,516
Due from University of Calgary, at end of the year	\$ 832,357	\$ 778,163



# Arctic Institute of North America

## MEMBERSHIP APPLICATION

Thank you for your interest in becoming a member of the Arctic Institute of North America. The only criterion for membership in AINA is an interest in the North. Members receive the quarterly journal *Arctic* while supporting a vibrant organization devoted to the dissemination of Arctic research and knowledge.

### MEMBERSHIP IS BY CALENDAR YEAR, JANUARY TO DECEMBER. DUES ARE AS FOLLOWS:

Member .....	\$ 65
Student Member; Retired Member 65 or over .....	\$ 42
Subscribing Organization .....	\$ 138
Lifetime Membership .....	\$ 650
Corporate Associate .....	\$ 2500

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Total amount of payment including taxes:

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