



Arctic Institute of North America

ANNUAL REPORT 2011



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Monica Micallef (from July 2011)

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Robert van Everdingen

University of Calgary Librarian, AINA Collection:

Claudette Cloutier

Kluane Lake Research Station Manager:

Andrew Williams (until March 2011)

Sian Williams (from April 2011)



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Message from the Executive Director

ARCTIC ISSUES REMAIN PROMINENT ON THE NATIONAL AND GLOBAL AGENDAS, and the Arctic Institute and its research associates provided ongoing leadership in 2011. The Arctic Science and Technology Information System (ASTIS) continues to expand its holdings and is playing a key role in dissemination of findings from the International Polar Year research in Canada. The Kluane Lake Research Station returned to full operations in 2011 (see below), and AINA produced four more outstanding issues of the journal *Arctic*.

Internally at AINA, 2011 will be remembered as “the beginning of the long transition.” We are in the midst of several major changes that continue to unfold in 2012. Benoît Beauchamp completed six years of leadership as executive director in June 2011 and is sorely missed at AINA’s helm. Benoît is now enjoying a well-deserved sabbatical, but he remains at the University of Calgary as a professor of geosciences and continues to be an invaluable resource to AINA and the Arctic research community.

Ross Goodwin and Shawn Marshall stepped in as acting directors from July through December, while AINA and the University of Calgary mounted the search for a new executive director. AINA is resolved to bring in a high-profile leader with deep-rooted Arctic experience and a balanced understanding of Arctic physical and social sciences and their importance to the mounting human, environmental, and policy challenges in the Arctic. Peter Dawson, an associate professor in the Department of Archaeology at the University of Calgary, kindly agreed to step in as AINA’s interim executive director for 2012, while the search continues.

Other changes of note include the hiring of two key figures in the AINA office: Melanie Paulson, as administrative assistant, and Monica Micallef, as institute manager. Melanie is the first line of contact at AINA, and in just one year at the front desk, she has been a quiet, positive, and efficient force in improving our operations and ensuring that everything is running seamlessly. Monica has brought a whirlwind of energy and experience to her role and is revitalizing her job description; from someone charged primarily with managing AINA finances, she has become a full institute manager astride a broad portfolio of strategic and operational interests. Melanie, Monica, and the rest of the AINA staff are helping AINA to thrive and move forward as we bridge the prolonged period with an empty desk in the executive director’s office.

Another looming change is the location of this desk. In 2011, we learned that AINA is being relocated at the University of Calgary, as the MacKimmie Library Tower—our home since we moved to Calgary from Montreal in 1976—is being decommissioned. While moves are always disruptive and the views from MacKimmie are exceptional, our new space in the Earth Sciences building will provide some academic advantages. We will be reunited with the Arctic library collections, housed in the Gallagher Library in Earth Sciences, and several key Arctic-oriented departments at the University of Calgary, including Archaeology, Anthropology, Geography, and Geosciences, will be only a few floors away. This proximity will facilitate closer connections and increased interaction with research groups and students in the University of Calgary research community.



The Kluane Lake Research Station (KLRS) experienced a renaissance in 2011, setting five-year (2007–11) highs with 450 field-school days and generating more than \$57,000 of internal revenue. These figures have both more than doubled since 2010, when major renovations were ongoing at the KLRS facility. The research community responded enthusiastically to completion of the upgrades in winter 2011. Thanks to David Hik, chair of the KLRS users' committee, for helping to oversee this. Base managers Sian Williams and Lance Goodwin expertly steered KLRS through the summer, and we have been fortunate to secure them both on a three-year contract until 2014. KLRS marked its 50th anniversary in 2011. Over this half century, the station has enabled remarkable contributions to Canadian northern and alpine science. The reunion and celebration held in August 2011 included a tribute to Andy Williams, who has now retired (in principle, if not in practice) after more than 40 years as KLRS base manager.

In an unforeseen setback, federal budget cuts have obliged the Natural Sciences and Engineering Research Council of Canada (NSERC) to close down its longstanding Major Resources Support program. For more than 20 years, this program and its precursor have provided KLRS with funding that constitutes a substantial fraction of operating costs, so AINA and the research community need to examine options to replace these funds. Needless to say, we are committed to keeping the doors open.

AINA research fellows and associates were often in the news in 2011, with stories on topics such as loss of Arctic sea ice (2011 experienced the second lowest ice extent on record), grizzly bears (grizzly-polar bear hybrids), ancient extinction and climate change events recorded in Arctic sediments, shipping routes, geopolitics, community health, exotic subglacial springs, tourism, ice patch archaeology, and many others. Even tropical nations have become captivated by the Arctic: India is the latest country to seek permanent observer status on the Arctic Council, and I recently returned from meetings hosted by the National University of Singapore on Arctic Geopolitics and Natural Resources. These meetings were keenly attended by Singapore's Ministry of Foreign Affairs and national representatives from other East and South Asian nations. The world's attention, like the meridians, is converging in the Arctic. AINA promises to emerge from its transitions in 2012 with a stronger University of Calgary presence and a renewed mandate to galvanize the Arctic research community and to inform international interests in the changing Arctic.

Shawn Marshall, PhD, Acting Executive Director



Message from the Chair

THE YEAR 2011 HAS BEEN AN INTERESTING ONE for the Arctic Institute of North America. As I mentioned in my message last year, 2011 was to be a year of transitions. One of those was to be the transition from Benoît Beauchamp, our previous executive director, to a new executive director. Unfortunately, of all of our transitions, it was this one which we did not conclude. While there are a number of reasons for this, we have been fortunate to have Shawn Marshall of the University of Calgary as our acting executive director for much of the past year and Peter Dawson, of the Department of Archeology of the University of Calgary, as our current acting executive director. The backgrounds of Peter Dawson, Shawn Marshall, and Benoît Beauchamp in archaeology, geography, and geology, respectively, reflect the multidisciplinary mandate of the Arctic Institute of North America, in which we take great pride.

The year 2011 also marked the 50th anniversary of our research station on the shores of Kluane Lake in the Yukon Territory. A number of activities took place last summer to mark this anniversary. One of the highlights was welcoming our friends and neighbours—many of whom had travelled long distances—to our newly renovated and energy-efficient camp. Thanks and congratulations for guiding both the renovations and the anniversary activities go to David Hik, a member of our board of directors and a professor in the Department of Biological Sciences at the University of Alberta, and to Sian Williams, the on-the-ground manager of our Research Station.

Our speaker series continues to go from strength to strength. I was fortunate to be present at several of the lectures this past year, and the broad range of topics covered stands as a perfect example of what the Arctic Institute does best. We bring together varied and different disciplines, backgrounds and perspectives on circumpolar issues from both within and outside of academe, resulting in a better understanding of complex issues and challenges than if we focused on one discipline.

Many of the people behind an organization such as the Arctic Institute are unseen. We could not, however, operate without them, and so I wish to extend my thanks to all of our staff for their efforts in keeping the Arctic Institute functioning as smoothly as it does. Ross Goodwin, the manager of our ASTIS database, and his staff, Lynda Howard, Lynne Howard, and Pam Scowen; Karen McCullough, the editor of *Arctic*, our quarterly academic journal; Monica Micallef, our institute manager; and Melanie Paulson, our administrative assistant. In addition, I would like to express the thanks of the entire board to Professor Shawn Marshall, a member of the board of directors, who stepped in as acting executive director for much of the past year. Shawn carried his full academic load while acting as executive director, and we are grateful for the energy and time he gave to the position. I would also like to thank the staff of our Alaska-based U.S. affiliate, who have been unstinting in their support over the years. We look forward to renewing and revitalizing our ties with our American counterparts.

Looking ahead, I look forward to introducing you to our new executive director, who we are confident will be in place in 2012.

Henry W. Sykes, QC, Chair of the Board

AINA US Corporation Report

THE ARCTIC INSTITUTE OF NORTH AMERICA (AINA) was founded jointly in Canada and the United States in 1945 to raise awareness and interest in the North. Both countries recognized that issues of concern in the North and to Northerners cross national boundaries and can best be studied and resolved through joint, international cooperative activity. As a binational organization, AINA is well positioned to meet the challenges of a rapidly changing North. Attempts to foster our binational nature were strengthened in 2000, when the University of Alaska and the University of Calgary jointly signed an academic co-operation agreement and a supplemental letter of agreement for staff and student exchange. Terrence H. White, then president and vice chancellor of the University of Calgary, and Marshall Lind, then chancellor of the University of Alaska Fairbanks (UAF), signed both documents. Marshall Lind signed for and on behalf of the University of Alaska, which includes three campuses, located at Fairbanks, Anchorage, and Juneau. Implementation of the agreement has still to happen and will be an action item for AINA once a new executive director is in place.

Our successful international joint project, the AINA Grant-in-Aid Program, continued to provide support for students conducting northern research. The Program is administered by a binational committee and funded entirely from member donations. In 2011, 24 students applied for a Grant-in-Aid, of whom nine received awards of \$1000 each.

Carl S. Benson, PhD, Chairman, Board of Governors



Kluane Lake Research Station

AT KLRS, 2011 WAS AN EXCITING YEAR. We opened in late April with a newly renovated research station. The Krebs crew from the University of British Columbia (UBC) was up doing an early-season trapping session on Jaquot Island and checking the correlation of density estimates from live trapping and remote motion-sensing cameras. Gwenn Flowers and her crew from Simon Fraser University were also around in April to set up ice-penetrating radar that needed to be in before the melt started. We were busy ironing out a few wrinkles in the new facilities before more researchers arrived.

During May, the other researchers started flooding in. Roy Turkington and botanists from UBC were working on what effects an increase in nitrogen in the soil (a predicted effect of global climate change) will have on understory plants. Two students from the University of Ottawa were digging up bore holes from the old pipeline and reassessing them. The Lanoil crew from University of Alberta was out assessing sub-glacial water for microbial biomass. Some geologists from Edinburgh were mapping in the front ranges. Pika Camp was in operation out in the Alpine. Christian Schoof (UBC) and his crew went back out to Glacier One to continue drilling and investigating the flow behaviour of glaciers. Ryan Danby and students from Queens University were working in several locations looking at the forest-grassland boundary and the shrub colonization of wetland environments.

When all the satellite research camps were in full swing, the field schools started arriving. Luke Copland's annual Geog 401 course from the University of Ottawa was followed immediately by an international group of students and professors from a Norway-Canada exchange. Later on came the field school for the Enhancing International Earth Science Competence in Natural Hazards Research (geoNatHaz) program, with participants from France, Italy, Canada, USA, and Greece. It was a super year for the variety of international students at Kluane.

On August 5 – 7, we celebrated the 50th anniversary of the research station. Over 200 past and current researchers, government representatives, media, and local friends and businesses attended the event. Each day of the following week, interviews from the weekend were broadcast on CBC locally and nationally. The scientific talks were packed with interested people, and the discussions on where we are going as a research station were lively. There was also great appreciation for the live music by the local band "The Sunny Side of the Ditch," and the acoustic jam on the beach late into the night.

On Sunday, August 7, there was a helicopter-supported field trip to the Steele Valley, where Walter Wood, who served as an AINA governor and director of AINA's New York office, first



worked. The Kluane Lake Research Station developed out of Wood's base camp for his Icefield Ranges Research Project of the early 1960s. A plaque commemorating his contributions is attached to a large rock on the site in the Steele Valley. The people who participated in the field trip were long-time KLRS supporters and researchers, including Math'ieya Alartini, Chief of the Kluane First Nation; Lance Goodwin, KLRS operations manager; Lloyd Freeze, park warden for Kluane National Park; Mary-Jane Johnson, Kluane First Nations councilor and Kluane Park naturalist; Doug Makkonen, helicopter pilot; Carole Williams, Yukon Government Department of Justice and past joint manager of KLRS; and researchers Garry Clarke, Julie Cruikshank, Gerry Holdsworth, and Fred Roots.

This gathering of people in the Steele Valley, along with the celebrations at the KLRS, was symbolic of the strength and value of this long-lived research station and of the importance of working co-operatively for continued success.

Sian Williams, KLRS Manager

Outreach

2011 Arctic Speakers Series

The continuation of the Arctic Life Speaker Series in the spring of 2011 included three presentations. In January, AINA research associate John Graham presented a talk entitled "Social work in the Canadian Arctic: What the Canadian practitioners are telling us." This was followed by a fascinating talk by Eric Donovan of the Department of Physics & Astronomy at the University of Calgary on the study of the Aurora Borealis and what insight can be gained about solar-terrestrial interactions. The series wrapped up with a lively presentation in March by Brian Keating. Brian is an adjunct assistant professor in the Department of Anthropology at the University of Calgary and also president and CEO of Going Wild. He shared his stories, pictures, and videos of trekking in the Arctic.

In the fall, we kicked off the 2011 – 12 Arctic Speaker Series with two talks. In September, Keith Dewing of the Geological Survey of Canada spoke about mining cycles in Canada's North. In November, John Hogg, Vice-President of Exploration and Operations at MGM Energy, spoke on the process and challenges involved in hydrocarbon exploration in the North.

Telus Spark Science Cafés

Sponsored by Telus Spark, Calgary's new science centre, Science Cafés provide a venue in which members of the public can discuss current issues with scientists and researchers.

On May 31, the topic was "The Future of Arctic Science: What is Canada doing in the North?" with panelists David Hik, Martin Bergmann, Shealagh Pope, and Jennifer Knopp.

In October, as a follow-up to the very popular Tusaqtuut project organized by research associate Jon Dudley, the Science Café held a discussion entitled "Traditional Knowledge: The Inuit view of how the Arctic is changing." AINA research associate Peter Dawson was a guest scientist.

CSPG Annual Honourary Address

Research associates Jon Dudley and Magdalena Muir were present in the AINA exhibition booth at the Canadian Society of Petroleum Geologists (CSPG) Annual Honourary Address in November.

Arctic Journal in 2011

THE FOUR ISSUES OF *ARCTIC* PUBLISHED IN 2011 included 34 research articles and 4 research notes, 23 book reviews, 5 obituaries, and 5 InfoNorth essays. Once again, the page count topped 500 pages, as in the past few years. Of the 38 research papers published in 2011, the biological sciences accounted for 63%; the social sciences papers remained at 24%, and those from the physical sciences dropped slightly to 13%. Submissions to the journal in 2011 were at an all-time high of 90 manuscripts.

In February, we received 12 manuscripts for a special supplement on ice patch studies in the Northwest Territories, Yukon, Alaska, the continental United States, Norway, and Switzerland. Tom Andrews, territorial archaeologist with the Prince of Wales Northern Heritage Centre in Yellowknife, was the coordinating editor for the supplement, which will be published in 2012.

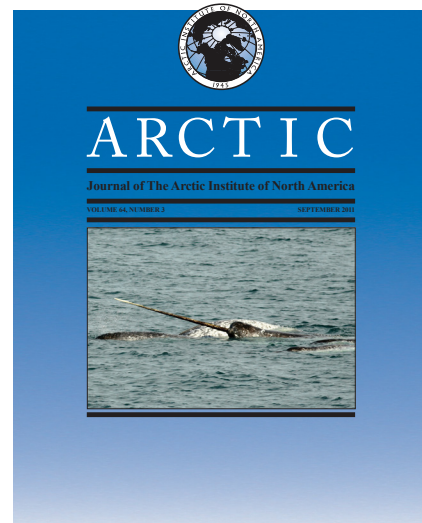
In August, editor Karen McCullough traveled to the Yukon to attend the 50th anniversary celebrations of the Kluane Lake Research Station (KLRS) and met with several of the Kluane researchers to discuss a future supplementary issue of *Arctic*, which will provide an overview and synthesis of the major results arising from research done out of KLRS.

Arctic Online

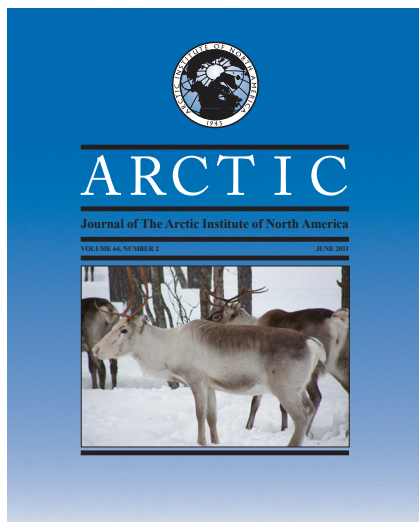
In 2011, we were pleased to offer members a choice of subscriptions: to the print journal only, online journal only, or both print and online. Approximately 10% of AINA members opted for an online only subscription in 2011.



March 2011



September 2011



June 2011



December 2011



Arctic Science and Technology Information System

THE ARCTIC SCIENCE AND TECHNOLOGY INFORMATION SYSTEM (ASTIS) is Canada's national northern database. ASTIS contains 76,000 records describing publications and research projects about northern Canada. ASTIS includes all subjects and covers the Yukon, the Northwest Territories, Nunavut, the northern parts of seven provinces, and Canada's Arctic waters. ASTIS has been in operation since 1978 and is funded through contract work and donations.

The ASTIS database is available from a free bilingual website and is searchable from Simple and Advanced Search pages or by clicking on hyperlinks in database records. ASTIS records contain abstracts and detailed subject and geographic indexing terms. The publications cited in the database include both peer-reviewed and grey literature. More than 20,000 records contain links to PDF files of publications that are available online.

The ASTIS database contains 16,200 records describing research projects conducted in Canada's three northern territories since 1974. These records are based on information provided by the organizations that license all territorial research: the Aurora Research Institute; the Central and Arctic Region of Fisheries and Oceans Canada; the Northwest Territories Department of Environment and Natural Resources; the Nunavut Department of Culture, Language, Elders and Youth; the Nunavut Department of Environment; the Nunavut Research Institute; the Prince of Wales Northern Heritage Centre; and the Yukon Heritage Resources Unit.

ASTIS specializes in the preparation of bibliographic databases about northern Canada and can easily make those databases available from customized websites for clients. The Databases page of the Institute's website provides access to 15 such databases.

Four new ASTIS projects were undertaken in 2011: work for the Aboriginal Affairs and Northern Development Canada (AANDC) Northern Oil and Gas Branch to index the proceedings of the 6th Canadian Permafrost Conference; work for the AANDC Arctic Science Policy Integration Directorate on a survey of research projects in and around Cambridge Bay; work for the ArcticNet Network of Centres of Excellence of Canada to create the ArcticNet Publications Database, containing all refereed, and many non-refereed, ArcticNet publications; and work for the AANDC Northern Oil and Gas Branch to prepare descriptions of information resources for use on the Beaufort Regional Environmental Assessment website.



Many ongoing ASTIS projects continued during 2011. The Canadian IPY Publications Database, funded by the Government of Canada Program for International Polar Year (IPY) and Encana Corporation, included work with the American Geosciences Institute, the Scott Polar Research Institute, the University of Colorado and National Information Services Corporation on the international IPY Publications Database. Work continued on the Hydrocarbon Impacts database funded by the AANDC Northern Oil and Gas Branch, the NCP Publications Database funded by the AANDC Northern Contaminants Program, and the Northern Granular Resources Bibliographic Database funded by the AANDC Land and Water Management Directorate. ASTIS also worked with the Geological Survey of Canada funded by the Environmental Studies Research Funds to catalogue legacy publications and data about Beaufort seabed geohazards; with Makivik Corporation on the Nunavik Bibliography, using funding provided by Xstrata Nickel; with the Inuvialuit Joint Secretariat on the Inuvialuit Settlement Region Database, funded by Shell Canada, MGM Energy, ConocoPhillips Canada, and Chevron Canada; with the Yukon Biodiversity Working Group on the Yukon Biodiversity Database funded by the Alaska Pipeline Project; and for the Yukon Heritage Resources Unit to index Yukon publications and research projects. Work concluded on the Circumpolar Health Bibliographic Database funded by the Canadian Institutes of Health Research Team in Circumpolar Health Research.

ASTIS also worked on several internal Arctic Institute projects in 2011, including the Kluane Lake Research Station Bibliography, the *Arctic* Contents and *Arctic* Search pages of the Institute website, and maintenance of the Institute's publications server, which makes 4150 publications available on the Web as PDF files.

All of these projects are moving ASTIS closer to its goal of providing comprehensive coverage of northern Canadian publications and research projects.

Northern Lights Series

THE NORTHERN LIGHTS SERIES OF BOOKS IS JOINTLY PUBLISHED by the Arctic Institute of North America and the University of Calgary Press. It publishes works of a non-technical nature from all areas of northern scholarship: the natural, social, and earth sciences and the humanities.

In 2011, two manuscripts were accepted by the University of Calgary Press Editorial Committee: *The Reindeer Botanist: Alf Erling Porsild 1901 – 1977*, by P. Wendy Dathan, and *The Fast-Changing Maritime Arctic: Defence and Security Challenges in a Warmer World*, edited by Barry Scott Zellen.

THE ARCTIC INSTITUTE OF NORTH AMERICA COLLECTION, housed in the Gallagher Library at the University of Calgary, continues to attract students, researchers, and an interested public from across campus and around the world.

This past year, in an ongoing effort to make research material housed within the AINA collection more accessible, 63 boxes of archival reports, conferences, and research articles have been indexed and added to the University of Calgary archives. These documents include Office of Naval Research reports, technical reports, research grant reports, and other primary research documents. Records for approximately 75% of the original Arctic Institute of North America library collection that was moved from McGill University in the 1970s are now accessible online.

To discover more titles in the AINA collection, go to <http://library.ucalgary.ca/> to search our library collection.

Claudette Cloutier, the liaison librarian for Northern Studies, provides research assistance to students, faculty, staff and visiting researchers looking for northern- and polar-related information. Please contact her at ccloutie@ucalgary.ca for research assistance.

2011 Scholarship Winners

Jennifer Robinson Scholarship – \$5,000

The recipient of the 2011 Jennifer Robinson Memorial Scholarship was Kyle Elliott, a doctoral student in the Department of Biological Sciences at the University of Manitoba. Kyle is studying the relationship between age and contaminants in Arctic birds.

Lorraine Allison Scholarship – \$3,000

N. Jane Harms, a doctoral candidate in the Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan, was the 2011 recipient of the Lorraine Allison Memorial Scholarship. Jane studies avian cholera outbreaks in common eiders in the eastern Canadian Arctic and how these outbreaks affect subsistence hunters in Nunavut and Greenland.

Jim Bourque Scholarship – \$1,000

Sheena Dubyk of Prince Albert, Saskatchewan, was selected as the 2011 recipient of the Jim Bourque Scholarship. A member of the North Sask River Métis Nation (Local 269), Sheena is attending the University of Regina in the Baccalauréat en éducation program. Upon graduation, Sheena hopes to find a teaching job in a francophone or French immersion school. As part of her studies, she spent her second year at Université Laval in Québec City.



Grant-in-Aid Program

THE GRANT-IN-AID PROGRAM IS A JOINT CANADA-U.S. ENDEAVOUR that provides funds to young investigators starting their careers in northern research. A binational committee administers the program, and funding comes entirely from member donations.

Of the 24 students who applied for a Grant-in-Aid award in 2011, nine received awards of \$1000 to assist with the costs of conducting northern research. The successful candidates for 2011 are the following:

- **John Blong**, Department of Anthropology, Texas A&M University, is studying the human colonization and prehistoric upland use of the Alaska Range, Central Alaska;
- **Michelle A. Borowitz**, Department of Anthropology, University of Alberta, is researching the human dimension of hydroelectric dam developments and transboundary water security in the Mackenzie River Basin;
- **Sally Carraher**, Department of Anthropology, McMaster University, is investigating the social factors related to *Helicobacter pylori* bacterial infections in a northern Indigenous community;
- **Patricia Curry**, DVM, Faculty of Veterinary Medicine, University of Calgary, is continuing her research on the use of filter-paper blood testing to monitor caribou health;
- **Courtney Fidler**, Department of Geography, University of Saskatchewan, is researching how regional-scale strategic impact assessments can improve the environmental management of Arctic offshore oil and gas development;
- **Taya Forde**, DVM, Faculty of Veterinary Medicine, University of Calgary, is studying the role of *Mycobacterium avium* subsp. *paratuberculosis* in free-ranging herds of wood bison;
- **Jillian Steele**, Faculty of Veterinary Medical Sciences, University of Calgary, is researching the risk factors associated with parasite abundance and host translocation in West Greenland caribou;
- **Daniel Sturgis**, Department of Earth and Atmospheric Sciences, University of Alberta, is exploring the link between a glacier outburst flood event and observed subglacial hydrological conditions; and
- **Eryn McFarlane**, Department of Integrative Biology, University of Guelph, is researching the mechanisms that maintain additive genetic variance of fitness in a red squirrel population.



Research Associates

ARCTIC RESEARCH INVOLVES AREAS OF EXPERTISE not encompassed by any one discipline or department. This is reflected in the Institute's research associates—a diverse group of individuals whose work is advancing the study of the North and the mission of the Arctic Institute. Their interests cover a wide range of disciplines in the natural, physical, and social sciences as well as the humanities and fine arts.

- **Don Albright**, Biology
- **Thomas D. Andrews**, Archaeology and Museology
- **Charles Arnold**, Archaeology and Museology
- **William Barr**, Geography and History
- **Margaret Bertulli**, Archaeology
- **Ellen Bielawski**, Anthropology
- **Lloyd Binder**, Economic Development
- **Jean Blodgett**, Art
- **Alexander Braun**, Geodesy
- **Dave Button**, Education
- **Garry Clarke**, Glaciology
- **Helen Corbett**, Film and Journalism
- **Peter Dawson**, Archaeology
- **Ken de la Barre**, Human Geography
- **Mark Dickerson**, Political Science
- **Jon Dudley**, Earth Science Outreach, Geology, Canadian Arctic Culture
- **Jeff Gilmour**, Law
- **John Graham**, Social Work
- **Norman Hallendy**, Ethnohistory
- **Alexander Hill**, History
- **Gerald Holdsworth**, Glaciology
- **Gunhild Hoogensen**, Political Science
- **Robert Huebert**, Political Science
- **Martha Johnson**, Anthropology
- **Peter Johnson**, Geography
- **Kenneth Jones**, Geology, Geography, Archaeology, History
- **Karim-Aly Kassam**, Arctic Social Science
- **Barbara Kingscote**, Veterinary Medicine
- **Heidi Klein**, Environmental Planning
- **Susan Kutz**, Veterinary Medicine
- **P. Whitney Lackenbauer**, History
- **Line Laplante**, Spirituality and the Environment
- **Nic Larter**, Zoology
- **Allice Legat**, Anthropology
- **David Lertzman**, Aboriginal Studies
- **Robert MacDonald**, History
- **Sean Maher**, Anthropology
- **Constance Martin**, Art History and Curator
- **Arthur Mason**, History, Politics and Culture
- **Robert McPherson**, Geology and History
- **Frank Miller**, Wildlife Biology
- **Magdalena Muir**, Law, Environment and Resource Management



- **Dave Norton**, Ecology
- **Marc Poulin**, Medicine and Kinesiology
- **Martin Raillard**, Arctic Ecology
- **William Semple**, Northern Housing
- **Alan Smart**, Anthropology
- **Jane Sproull Thomson**, Inuit Art and Culture, Heritage Planning
- **Mary Stapleton**, History and Planning
- **Emma J. Stewart**, Geography
- **Wayne Strong**, Forest Ecology
- **Susanne Swibold**, Film and Journalism
- **Darielle Talarico**, Ecotourism
- **Callum Thomson**, Archaeology and Expedition Cruise Tourism
- **Robert van Everdingen**, Hydroecology
- **Wanda Wuttunee**, Native Studies, Law and Management
- **John James Yackel**, Geography
- **Jose Zorrilla**, Interdisciplinary

Selected Research Publications

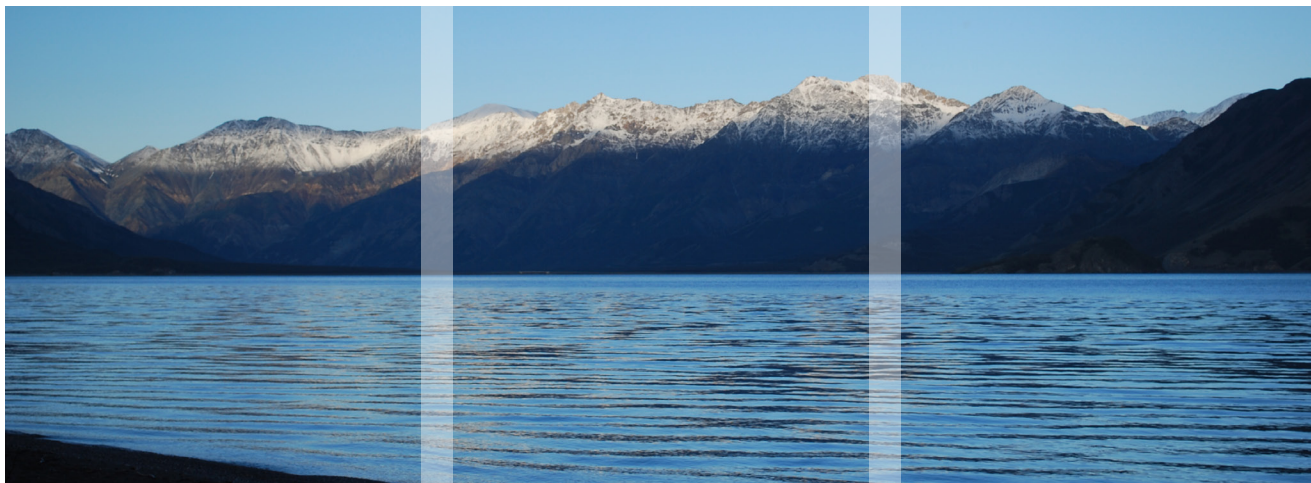
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———, translator. Inuit and whalers on Baffin Island through German eyes: Wilhelm Weike's Arctic journal and letters (1883–84), by Ludger Müller-Wille and Bernd Giesecking. Montreal: Baraka Books.

Bartareau, T.M., Cluff, H.D., and **Larter, N.C.** 2011. Body length and mass growth of the brown bear (*Ursus arctos*) in northern Canada: Model selection based on information theory and ontogeny of sexual dimorphism. *Canadian Journal of Zoology* 89:1128–1135.





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Financial Report for the Fiscal Year Ended March 31, 2011 (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. 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. 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.

The Notes and Schedules accompanying these financial statements form part of the statements. To see the Notes and Schedules, please contact the Institute Manager via e-mail at arctic@ucalgary.ca, or by telephone at 403 • 220 • 7515.



Statement of Financial Position at March 31, 2011

	2011	2010
ASSETS		
Current Assets:		
Due from University of Calgary	\$775,395	\$1,705,748
Petty cash		400
Accounts receivable	177,866	109,447
Inventory	21,149	22,067
Prepaid expenses	2,500	0
	\$976,909	\$1,837,262
Investments	1,258,256	1,075,374
Capital assets and collections	2,974,247	1,165,468
	\$5,209,412	\$4,078,104
LIABILITIES AND NET ASSETS		
Current Liabilities:		
Accounts payable and accrued charges	\$543,396	\$1,239,543
Deferred revenue	99,325	112,315
Deferred contributions	13,390	74,795
	\$656,112	\$1,426,653
Unamortized deferred capital contributions	2,430,999	619,045
Net Assets:		
Unrestricted net assets	\$1,080,611	\$1,021,658
Investment in capital assets and collections	543,247	546,423
Internally restricted net assets	41,936	41,936
Endowments	456,505	422,389
	\$2,122,300	\$2,032,406
	\$5,209,412	\$4,078,104

Statement of Revenue and Expense for the Year Ended March 31, 2011

	2011	2010
Revenue:		
University of Calgary and Government grants	\$613,723	\$565,510
Sales of services and products	231,481	201,761
Donations and other grants	354,601	391,919
Investment (loss) income	82,880	130,622
Earned capital contributions	7,312	6,097
	<u>\$1,289,998</u>	<u>\$1,295,909</u>
Expense:		
Salaries	\$753,890	\$730,618
Benefits	92,362	110,541
Materials	304,900	291,413
Grants and scholarships	38,300	15,000
Amortization	13,168	15,015
Travel and meeting	40,864	22,800
	<u>\$1,243,485</u>	<u>\$1,185,387</u>
Excess (Deficiency) of revenue over expense	<u>\$46,513</u>	<u>\$110,522</u>

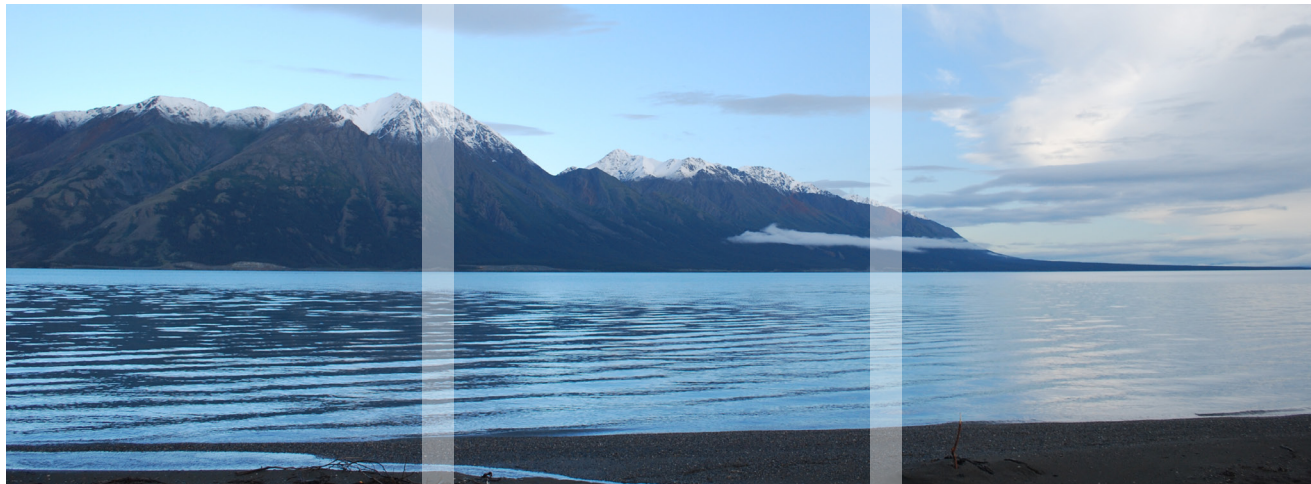
Statement of Changes in Net Assets for the Year Ended March 31, 2011

	Unrestricted Net Assets	Investment in Capital Assets	Internally Restricted Net Assets	Endowments
Net Assets (Deficiency), March 31, 2009	\$894,769	\$555,341	\$49,385	\$358,832
Excess of revenue over expense	110,522			
Investment income				59,957
Endowment Contribution				3,600
Amortization of internally funded capital assets	8,918	(8,918)		
Expenditure of internally restricted net assets	7,449		(7,449)	
Net Assets (Deficiency), March 31, 2010	<u>\$1,021,658</u>	<u>\$546,423</u>	<u>\$41,936</u>	<u>\$422,389</u>
Excess of revenue over expense	46,513			
Expenditure of internally restricted net assets	2,006		(2,006)	
Investment income				33,209
Endowment Contribution				3,731
Amortization of internally funded capital assets	5,855	(5,855)		
Adjustment	4,580	2,680	2,006	(2,825)
Net Assets (Deficiency), March 31, 2011	<u>\$1,080,612</u>	<u>\$543,248</u>	<u>\$41,936</u>	<u>\$456,504</u>

Statement of Cash Flows for the Year Ended March 31, 2011

	2011	2010
Cash provided from (used in):		
Operating Activities:		
(Deficiency)/Excess of revenue over expense	\$46,513	\$110,522
Items not affecting cash flow:		
Amortization of capital assets	13,168	15,015
Amortization of deferred capital contributions	(7,312)	(6,097)
(Gain) Loss on non-endowed investments	86,846	(104,384)
Net change in non-cash working capital	(840,543)	1,165,978
Cash applied to operating activities	(\$701,329)	\$1,181,034
Investing Activities:		
Purchase of capital assets, net	(1,821,948)	(500,232)
Proceeds from (purchase of) long-term investments, net	(269,728)	(1,516)
Endowment investment earnings realized	38,219	1,434
Cash applied to investing activities	(\$2,053,455)	(\$500,314)
Financing Activities:		
Endowment contributions	3,731	3,600
Capital contributions	1,819,267	500,232
Cash generated through financing activities	\$1,822,997	\$503,832
Increase in cash and cash equivalents	(931,787)	1,184,552
Due from University of Calgary at beginning of year	1,707,182	522,630
Due from University of Calgary at end of year	\$775,395	\$1,707,182
Net change in non-cash working capital:		
Accounts Receivable (increase) / decrease	(68,420)	(2,322)
Inventory	919	988
Prepaid Expenses	(2,500)	2,610
Accounts Payable	(696,147)	1,155,092
Deferred Revenue	(12,990)	27,634
Deferred Contributions*	(61,405)	(18,023)
	(\$840,543)	\$1,165,979

* Adjusted for unrealized investment gains/losses



Financial Support

FINANCIAL SUPPORT FOR THE PROGRAMS OF THE ARCTIC INSTITUTE, Canadian Corporation, during 2011, was provided by the Government of Canada, the Government of Alberta, the University of Calgary, the University of Alaska, over 1000 members and subscribers, and the following corporate associates and sponsors:

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