The Killam Trusts

The Killam Trusts were established in 1965 under the Will of Dorothy Johnston Killam for the benefit of Dalhousie University, Montreal Neurological Institute of McGill University, University of Alberta, The University of Calgary, The University of British Columbia, and The Canada Council for the Arts. Mrs. Killam also established similar trusts during her lifetime for the benefit of Dalhousie and the Canada Council.

To date, over 6,000 scholarships and fellowships have been awarded to graduate and post-graduate students and faculty. The Killam Trusts also provide funds for Killam Chairs, salaries for Killam professors, and general university purposes.

The Canada Council, in addition to awarding Killam Fellowships, also awards annually the Killam Prizes in Health Sciences, Natural Sciences, Engineering, Social Sciences and Humanities. Worth $100,000 each they are as a group Canada’s premier awards in these fields.

In the words of Mrs. Killam’s Will:

“My purpose in establishing the Killam Trusts is to help in the building of Canada’s future by encouraging advanced study. Thereby I hope, in some measure, to increase the scientific and scholastic attainments of Canadians, to develop and expand the work of Canadian universities, and to promote sympathetic understanding between Canadians and the peoples of other countries.”
Izaak Walton Killam

Born in 1885 at Yarmouth, Nova Scotia.
Died in 1955 at his Québec fishing lodge.

Izaak Walton Killam was one of Canada’s most eminent financiers, rising from a paper boy in Yarmouth, Nova Scotia to becoming head of Royal Securities. Having no children, Mr. Killam and his wife Dorothy Johnston Killam devoted the greater part of their wealth to higher education in Canada.

In spite of his prodigious financial accomplishments, Izaak Walton Killam was a very reserved man who eschewed publicity and was virtually unknown outside a small circle of close acquaintances.

Dorothy Brooks Killam, née Johnston

Born in St. Louis, Missouri in 1899.
Died in 1965 at La Leopolda, her villa in France.

Unlike her retiring husband, Dorothy Johnston Killam was an extrovert who loved company and people generally. After she and Mr. Killam were married in 1922, they lived in Montréal, the centre of the Killam financial empire.

Mr. Killam died in 1955, and it was left to Mrs. Killam to work out the details of their plan in her Will. When she died in 1965, she left their combined estates to specific educational purposes and institutions, as well as a large gift to The Izaak Walton Killam Hospital for Children in Halifax.
With the death of Anne Byers at 92 in May of 2011, the Killam program has lost one of its greatest boosters and Killam scholars from coast to coast their most ardent admirer.

Anne was the wife of Donald N. Byers, who was Dorothy J. Killam’s confidant and the architect of her Will. But to leave it simply at that would utterly fail to recognize Anne’s very central role, in her own right, in bringing the Killam Scholarship program to life after Mrs. Killam’s death in 1965.

The short story is that Anne was at Don’s side every step of the way as he and the three other original Trustees took the decision to meet annually with the Killam scholars at receptions and dinners in their honour. It was here that Anne Byers shone brightest. She made it a point to circulate around the room and congratulate the scholars individually. Like Queen Elizabeth the Queen Mother she had the magic touch of making each scholar feel as if he or she alone was the object of her interest. Charming, vivacious, down to earth: this is how generations of students now approaching middle age – or leaving it – will remember Anne.

The longer story is of Anne’s genuine regard for the “Killam family of scholars.” She was one of the last to have known Mrs. Killam. She lived with and helped to shape the Killam dream of making Canada and the world better through higher education and research. She was thus able to connect Mrs. Killam’s vision directly with the lives of her scholarly beneficiaries.

Anne was the perfect partner for Don, the Trusts’ first Managing Trustee, and dear friend to all the original Trustees, their successors and their spouses. She kept up her interest in “all things Killam” until very near the end, attending the grand celebration at Rideau Hall in December, 2010 when the Governor General, His Excellency the Rt. Hon. David Johnston, presented that year’s Canada Council Killam Prizes.

Anne will be greatly missed and fondly remembered by all who knew her. On behalf of everyone connected with the Killam program since its inception: Thank you, Anne!
We continue, sadly, with the loss of Dr. David Colman, the eminent researcher and academic administrator whose untimely death in June of 2011 has deprived the Montreal Neurological Institute of his outstanding leadership at a most important time in its life.

David was a world-renowned scientist, who focused on problems related to myelination, spinal cord injury and nerve cell development and regeneration. His research and scientific work will long endure; but what also remains, as much as his work in his chosen field, is the warm personal affection in which David was held, both within the Institute and far beyond. A New Yorker who came to Montreal ten years ago from the Mount Sinai School of Medicine to head the MNI, David and his family quickly fell in love with his adopted city and felt entirely at home there.

Our sympathies go out not only to David's family, but to those at McGill and the Neuro who are charged with the task of finding his replacement. His shoes will be hard to fill. In the meantime Dr. Phil Barker has taken over as Interim Director, and we wish him well in this difficult time of transition.

In most other respects, 2011 has been a year of consolidation for the Killam Trusts and the six institutions they support: The University of British Columbia, University of Alberta, The University of Calgary, The Canada Council for the Arts, Dalhousie University and, of course, the MNI. This perhaps reflects the financial crisis that continues to cast its shadow over the whole Western world.

The term “consolidation,” however, is not in any way intended to imply a sense of “taking it easy” or “resting on our laurels”; quite the contrary. For the Killam programs continue as in past to stand for excellence at each institution, and this of course takes hard work. Thus, the Killam Scholarships for graduate students and postgraduate fellows remain unquestionably the leading awards that are within each institution’s power to grant. The Killam Chairs remain the most prestigious on campus, with newly elected Chair holders at both Dalhousie and U of C as eminent in their fields as their predecessors were in theirs. Killam Professorships and other Killam awards – and each institution is unique in these – remain much sought after everywhere. And the Canada Council’s Killam Prize winners remain, quite simply, la crème de la crème of Canadian scholarship and research. These
Prizes are awarded each year in recognition of lifetime achievement to Canada’s best in the five categories of Health Sciences, Natural Sciences, Engineering, Social Sciences and Humanities.

Selecting award winners of this calibre requires tremendous effort and attention to detail on the part of selection committees, deans and others. And we have been blessed with a full measure of devotion from the academic community in this work of administration; without their keen dedication and heartfelt effort, the Killam program simply could not exist. Thank you!

That said, we have seen somewhat more than the usual turnover among Killam administrators, with changes of the guard at five of the six “Killam institutions”. At Dalhousie, Dr. Bernie Boudreau has become the new Dean of Graduate Studies, replacing Dr. Carolyn Watters who, after a long and highly effective term as Dean, has been elevated to the post of Vice President Academic & Provost. The U of A’s Mazi Shirvani officially became Dean in 2010, having served as interim Dean since 2008. UBC’s new Dean pro tem of Graduate Studies is Dr. Susan Porter; Dr. Lisa Young has stepped in at the U of C; and as noted above Dr. Phil Barker is Interim Director at the MNI. We welcome our new Deans and Director warmly, and thank all their predecessors for their valued service to the Killam cause.

In the following sections of this Report, we give some details as to how the Killam programs are faring in each institution. We invite you to read them and see just how impressive is their work on behalf of this Killam vision, stated in Mrs. Killam’s 1965 Will as follows:

“My purpose in establishing the Killam Trusts is to help in the building of Canada’s future by encouraging advanced study. Thereby I hope in some measure to increase the scientific and scholastic attainments of Canadians, to develop and expand the work of Canadian universities, and to promote sympathetic understanding between Canadians and the peoples of other countries...”
UNIVERSITY OF ALBERTA

The U of A, like the other “Killam universities” except the Neuro, awards Killam scholarships to its leading doctoral candidates. The awards are for two years, there are no restrictions on citizenship, and all academic fields are eligible for funding. Killam Scholars who receive other major awards, such as a grant from the Natural Sciences and Engineering Research Council (NSERC) or the Social Sciences and Humanities Research Council (SSHRC), receive a “top-up” to the Killam level, and are designated “Honorary Killam Scholars.” The stipends for doctoral scholars vary slightly from university to university; at the U of A they are currently $35,000 plus, for international students, the differential tuition fee.

The U of A’s Scholarship Selection Committee reviewed 64 applications for the 2011/12 year and awarded five new doctoral scholarships plus seven honorary scholarships. In addition 11 scholars and six honorary scholars are being renewed, for a total of 29 Killam Doctoral Scholars on stipend this year. Of these, 10 are citizens of other countries, here either on a study permit, or as landed immigrants awaiting their Canadian citizenship.

The university received 218 applications for the Killam Post-Doctoral Fellowship, of which 58 were selected for consideration. Three new Fellowships plus one Honorary Fellowship were awarded, and four are being renewed, for a total of eight now on stipend. The Fellowships are granted for two years, and are valued at $46,000 a year plus a research allowance of $4,000. In addition, there is a benefits package for health care and the like.

At the U of A, the Killam program offers Dorothy J. Killam Memorial Graduate Prizes of $2,500 each to the leading candidates in each of the four discipline-specific sub committees: Engineering, Math and Physical Sciences; Life and Health Sciences; Social Sciences, Humanities and Fine Arts; and Education, Physical Education and Professional Programs.

The University also awards up to eight Killam Annual Professorships to outstanding academics in recognition of their distinguished scholarly careers. The award is based on scholarly activities including teaching, supervision of graduate students, research, publications, and creative activities, as well as contributions to the community beyond the University. The U of A’s Killam
Salary Fund pays their salaries while they hold the Professorship, and in addition each receives an award of $3,500.

The Killam Memorial Chairs Endowment at the U of A supports two Chairs in scientific and/or engineering fields; for many years the holders have been *Dr. Valeri P. Frolov*, Department of Physics and *Dr. David W. Schindler*, Department of Biological Sciences. Happily, these distinguished scholars remain “in the saddle” as Killam Chairs at the U of A.

Finally, the U of A presents a Killam Award for Excellence in Mentoring, consisting of $5,000.

All of the U of A’s Killam awards this year were presented at a special luncheon, to which members of the award winners’ faculties, as well as family members, were also invited. This was a lively affair, though somewhat experimental; it combines into one event what in prior years was a series of separate dinners, luncheons and other ceremonies for awardees from all the various Killam programs at the U of A. The new format seeks to concentrate the recognition into one “big bang,” and at the same time expand the range of guests, evening dinners and other after-hours events having proved difficult for many.

Finally, the Killam Centre for Advanced Studies at the U of A remains the focal point of graduate education at the U of A, housing both the Faculty of Graduate Studies and Research and the Graduate Students’ Association. Its award-winning design continues to provide the University with the kind of work space that is the envy of everyone else on campus.

The names of all the U of A’s Killam award winners for 2011 are given at the end of this Report.
The Canada Council’s Killam program remains “the cherry on top of the sundae” among Killam programs across Canada. This is because the Council’s two programs – the Killam Prizes and the Killam Research Fellowships – are open to academics and researchers from all Canadian universities, and also because of the nature of the awards.

The Canada Council Killam Prizes are awarded to Canada’s leading scholars and researchers in recognition of lifetime achievement in the five fields of Health Sciences, Natural Sciences, Engineering, Social Sciences and Humanities. The 2011 winners were:

**Dr. Michael Hayden**, University of British Columbia, Health Sciences: Internationally known for his genetic research, Dr. Hayden is best described as a humanitarian, one of those rare individuals whose life’s work has bridged theory and practice. His scientific career began with investigations of Huntington disease and his discovery of neuroendocrine abnormalities, and his research has led to predictive testing for this devastating disease. His later work has also contributed much to our understanding and gene identification of atherosclerosis and inherited lipid disorders. Dr. Hayden was also the recipient of the 2011 Canada Gairdner Wightman Award for his outstanding national and international leadership in medical genetics entrepreneurship and humanitarianism.

**Dr. Gilles Brassard**, Université de Montréal, Natural Sciences: Professor Brassard is acknowledged as one of the world’s foremost computer scientists and best known pioneers in the field of quantum information science, in particular for his invention of quantum cryptography and teleportation. In 1984, along with Charles H. Bennett, Professor Brassard developed the BB84 protocol, which is the most secure method of encrypting information for confidential transfer from one party to another. The Massachusetts Institute of Technology in 2003 named their discovery “one of the 10 emerging technologies that will change the world”. Dr. Brassard dreams of helping to establish new foundations for quantum mechanics based on information-theoretic principles.

**Dr. Lotfollah Shafai**, University of Manitoba, Engineering: Dr. Shafai is Canada’s leading expert in applied electromagnetic and radiating systems. His early work led to the development of the first generation picoterminals for the Canadian Hermes satellite – ultra-small portable satellite ground stations with antennas now in use around the world. His work has led to a range of developments that are in wide use
Dr. Shafai’s work has focused on the electromagnetic mapping of Arctic sea ice. His research has provided critical data for understanding the effects of climate-warming trends and more accurate predictions of the seasonal behaviour of Arctic ice.

**Dr. Mark P. Zanna**, University of Waterloo, Social Sciences: Professor Zanna has given new momentum and direction to research into social attitudes. He and his colleagues are credited with establishing one of the world’s top social psychology programs at the University of Waterloo. He is among the most cited social psychologists in the world, and his theories have been applied to major social issues such as racial prejudice and tobacco control policies. In health promotion activities, Dr. Zanna has evaluated Canada’s cigarette warning labels, and has tested the subtle effects of movie stars’ smoking in films.

**Dr. Keren Rice**, University of Toronto, Humanities: Professor Rice, Professor in Linguistics and founding Director of the Centre for Aboriginal Initiatives at the U of T, literally wrote the book on the Slavey (Dene) language, one of the official languages of Canada’s Northwest Territories. Her book *A Grammar of Slave* is still used some 20 years after publication. Her work has been critical in documenting, maintaining and revitalizing one of Canada’s living languages, an important element of our rich Aboriginal heritage. In addition, Dr. Rice has compiled a dictionary of one dialect of Dene, and conducted in-depth research that helps to unlock the highly sophisticated system of word formation in Dene and related languages.

The Council also awards annually a number of Killam Research Fellowships. These are much sought after by university professors in mid-career from across Canada, as they provide two years of released time so that the scholar can devote full time to a piece of research, or to write a book, free of administrative and teaching duties. Sadly, as the reader will see in reviewing this Report, the retreat of the financial markets in the past few years has depleted somewhat the income available from the Killam funds held by all the Killam institutions, including the Canada Council. Thus the number of awards at both the Council and the universities is fewer than in some prior years. The Council awarded eight Fellowships in 2011, matching the eight selected in the previous year; as these are two year Fellowships, there are at present 16 scholars on stipend. By comparison, in the halcyon days of the early 1990’s, there were as many as 28 scholars on stipend in some years.
In his riveting autobiography just published, the eminent Canadian historian 
Prof. Michael Bliss relates how he had been turned down on three occasions by 
the Canada Council Selection Committee before winning his Killam Research 
Fellowship in the late 1990’s. But when finally successful he used his award to 
good effect: the result was his wonderful book “William Osler: a life in Medicine”, the 
leading biography of one of the great medical doctors of the modern era. The Killam 
Research Fellowships remain among Canada’s leading awards of its kind; our only 
regret is that there is not enough money to sponsor more than a fraction of the 
superb applicants who seek Killam support.

The full list of all the Canada Council Killam awardees is found at the end of this 
Report.
Dr. Brenda Milner, the Dorothy J. Killam Professor at the MNI, continues to win awards carrying worldwide prestige. This year she won the Pearl Meister Greengard Award from Rockefeller University, having won just last year the prestigious International Balzan Prize for her work in cognitive neuroscience. At over 90 years of age, Dr. Milner is just getting started!

As noted earlier in this Report, Dr. Philip Barker (himself a former Killam Scholar) has been appointed Interim Director of the Neuro, following the tragic death of his predecessor Dr. David Colman. A Search Committee for a new Director has been struck and is co-chaired by McGill Provost Professor Anthony C. Masi and MUHC Associate Director of Medical Affairs, Dr. Tim Meagher.

It was Dr. Colman who, in 2004, inaugurated the Dorothy J. Killam Lecture to recognize the achievements of women in academia and science. The MNI plans to resume this lectureship in 2011-2012.

The weekly MNI/Killam Research Seminar series in neuroscience continues as well; during 2010-2011, the Neuro hosted 30 internationally recognized scientists and clinicians from across North America and Europe. The Institute also awards an annual Killam Prize for the best neuroscience presentation by a research or clinical trainee. The 2011 Killam Prize winner is Dr. Ahmed Abdulhadi Al Jishi, a neurosurgery resident.

Here are brief descriptions of the work of three of the 13 researchers and clinicians at the MNI who are supported by the Killam program:

Edward A. Fon, MD FRCP(C), is a neurologist and Associate Professor in Neurology and Neurosurgery. Since 2008 he has been Director of the national Parkinson's Disease Foundation Centre of Excellence at the MNI. He takes a special interest in parkin, a gene that plays a major role in protein degradation in cells. Dr. Fon is the Chair of the Scientific Advisory Board of the Parkinson’s Society of Canada and a member of the Editorial Board of the Journal of Biological Chemistry. In the past year he contributed to five scientific publications. His research is supported by the Canadian Institutes of Health Research (CIHR), the Natural Sciences and Engineering Research Council of Canada (NSERC), Industry Canada’s Centre for Excellence in Commercialization and Research (CECR), PRIONET Canada, and the Michael J. Fox Foundation. He is also supported by Fonds de la Recherche en Santé du Quebec (FRSQ).
Bruce Pike, PhD, is a Professor in the Department of Neurology and Neurosurgery. He also holds appointments in biomedical engineering and in the medical physics unit, as well as in radiology and electrical engineering, and at the Centre for Intelligent Machines. Since 2007 he has been designated a James McGill Professor; a post which recognizes outstanding professors of world class standing who make original contributions to their field. He directs the MNI’s McConnell Brain Imaging Centre. Dr. Pike has significantly advanced the ability of functional magnetic resonance scans to measure blood flow and oxygen consumption in the brain. He holds major grants from the FRSQ, the Multiple Sclerosis Society of Canada, CECR, CIHR and NSERC. During this past year Dr. Pike was an invited speaker at scientific conferences in Canada, the US, Germany and Macedonia, and in the same period he contributed to over 15 published scientific papers.

Edward S. Ruthazer, PhD, is an Associate Professor of Neurology and Neurosurgery, and an associate member of the Departments of Psychology, Anatomy & Cell Biology, and Physiology. Dr. Ruthazer examines the role of sensory experience in the development of connectivity among neurons within the visual system. He has received major funding from the Canada Foundation for Innovation, the CIHR, CECR, NSERC, the March of Dimes, NARSAD and the EGLB Foundation. He holds a Canada Research Chair in Neuro Circuit Development. During this past year he was invited to present his work at seven scientific conferences across Canada and the U.S. and during the same period contributed to five scientific papers. Dr. Ruthazer received the inaugural Young Investigator Award from the Canadian Association of Neuroscience in 2011, as well as a Promising Young Investigator Award at the Neuro’s spring convocation.

We close by thanking the Institute for allowing us, the Trustees, a “close-up look” at the Institute’s research work, a privilege given to us each year on the occasion of our annual visit in January. We also thank most warmly Dr. Rob Dunn, who retired this year from McGill as Professor in the Department of Neurology and Neurosurgery and Department of Biology as well as Associate Director, Scientific Affairs at the Montreal Neurological Institute. For five years Rob played a supporting role in advancing the research and academic missions of the Neuro. He maintained his close connection with the national Killam program throughout, faithfully attending our annual conferences of Killam Deans of Graduate Studies and always offering keen insights for continuous improvement. Thank you Rob!

The names of all the Neuro’s Killam awardees are recorded at the end of this Report.
THE UNIVERSITY OF CALGARY

The U of C has recently established a “graduate students’ leaders circle,” with membership open to winners of all its leading graduate and post-graduate awards. These include, in the lead, the Killams, but also winners of the Vanier Award, the Trudeau Scholarship and others. Membership in the club ensures easy access to eminent visitors to the U of C campus, but comes with the obligation to mentor other students and to perform ambassadorial roles on behalf of the University and its various departments and faculties.

The Killam funds held by the U of C recovered nicely in the period to March 31, 2011, compared with the year before (up nearly 10%), but as of early October they had declined again (along with financial assets all over the world), this time by seven percent. These results are typical of many Canadian universities and charitable enterprises, and they point to the need for continuing vigilance in overseeing investments, but more particularly in the setting of an appropriate level of spending. What, then, is “appropriate”? The essential point, at the U of C and elsewhere, is that long-term spending be set at rates that will ensure that the capital value of the funds increase with inflation – or more, if possible – over time. Happily, the U of C and all of the other Killam institutions have long since conformed their financial management practices and performance to these imperatives.

Financial constraints, combined with a recent increase in the value of the Killam Doctoral Scholarships to $36,000 a year (which includes a $3,000 research allowance), have meant that there were insufficient funds to maintain the same number of doctoral scholarships as in past years. To make up the shortfall, the U of C allocated $75,000 from its Killam General Endowment, a fund in support of general university purposes. This extra funding allowed for an additional two full and seven Honorary Killam Doctoral Scholarships.

The U of C’s eminent Killam Chair Holders, Dr. Roy Gravel and Dr. Nigel Shrive, completed their terms as Killam Chairs on June 30, 2011. Dr. Gravel, a professor in the Department of Biochemistry and Molecular Biology, has done cellular work on genetic diseases principally affecting newborns and children. Dr. Shrive, from the Faculty of Engineering, has interests in both masonry and biomechanics; in over 12 years as a Killam Chair holder at the U of C, he has published or had accepted 115 refereed journal papers, 111 refereed conference papers, 156 abstracts of presentations, and nine book chapters.
The Trustees are most grateful to Drs. Gravel and Shrive for their exceptional contributions to the advancement of human knowledge under the Killam banner.

The University’s Killam Memorial Chair Committee reviewed six nominations, and awarded the next Killam Memorial Chair to Dr. Walter Herzog from the Faculty of Kinesiology. Dr. Herzog is an internationally recognized scholar with an outstanding record of attracting, supervising and educating students at every level. He holds adjunct appointments in the Schulich School of Engineering, Medicine, and Veterinary Medicine. He is co-Director of the Human Performance Laboratory, holds a Canada Research Chair, and is a Killam Research Fellow. His field is biomedical engineering, and more specifically musculo-skeletal biomechanics as it relates to injuries and disease in normal, athletic and elderly populations. His primary focus is on cardiac and skeletal muscle diseases, osteoarthritis, muscular dystrophy, cerebral palsy and stroke. His research is perfectly aligned with the strategic emphasis of the U of C in biomedical engineering and the government of Alberta’s commitment to health and wellness research.

The U of C presents many other Killam awards during the course of the year; a list of all award winners is found at the end of this Report.
Please give us your news!

Up-to-date information regarding your academic history will help us to statistically track Killam scholars to ensure that the wishes set forth in Mrs. Killam's will are being followed. Future years will see us moving towards an exclusively electronic format; to continue receiving our bulletins, please ensure we have your current e-mail address by noting it in the correct space below. Hard copies will always be available by special request if you contact the Administrative Office. Once you've filled out this form you can submit it by return mail, by email to administrator@killamtrusts.ca, or by fax to 902-494-6562. As always, changes to your information can be entered online through the Winners Area of the Killam website at www.killamtrusts.ca.

NAME: __________________________________________

KILLAM GRANTING INSTITUTION: ________________________

PUBLICATIONS(S)/AWARDS/ETC.: ____________________________

____________________________________________________________________

ADDRESS (please include e-mail): ________________________________

____________________________________________________________________

____________________________________________________________________

We are holding the 2012 Killam Annual Lecture in Ottawa on Monday, November 5, 2012. Please check the appropriate box if you would like to receive an invitation.

Interested in receiving an invitation for November 5, 2012: YES ☐ NO ☐

Please return this form to: The Killam Trusts, Room 203, Henry Hicks Building, 6299 South Street, Halifax, NS B3H 4H6
Please give us your news!

Up-to-date information regarding your academic history will help us to statistically track Killam scholars to ensure that the wishes set forth in Mrs. Killam’s will are being followed. Future years will see us moving towards an exclusively electronic format; to continue receiving our bulletins, please ensure we have your current e-mail address by noting it in the correct space below. Hard copies will always be available by special request if you contact the Administrative Officer. Once you’ve filled out this form you can submit it by return mail, by email to administrator@killamtrusts.ca, or by fax to 902-494-6562. As always, changes to your information can be entered online through the Winners Area of the Killam website at www.killamtrusts.ca.

NAME: ____________________________________________

KILLAM GRANTING INSTITUTION: ____________________________

PUBLICATIONS(S)/AWARDS/ETC.: ____________________________________________

ADDRESS (please include e-mail): ____________________________________________

We are holding the 2012 Killam Annual Lecture in Ottawa on Monday, November 5, 2012. Our Lecturer will be announced shortly. Please check the appropriate box if you would like to receive an invitation.

Interested in receiving an invitation for: YES NO

The Killam Trusts, Room 203, Henry Hicks Building, 6299 South Street, Halifax, NS B3H 4H6
Such is the state of the financial markets these days, and the consequent need for extreme caution, that UBC finds it necessary to reduce spending in 2012 to a level not seen in over 20 years. Indeed, by and large all of the Killam institutions have reduced their expenditures in recent years, reflecting the straightened circumstances in which we all find ourselves. While recognizing the real pain that such reduced expenditures cause to those on the academic side of the house, the Trustees can only applaud UBC and the others for their realistic decisions in this regard.

The grey financial picture aside, UBC’s Killam program continues to attract “the brightest and best” at UBC, as it does at the other Killam institutions. Six new Killam Doctoral Scholarships were offered in March 2011 to the top-ranked applicants, and an additional 10 were offered in mid-May, these being “Honorary Killams” who received major awards from external granting agencies and were then topped up to the Killam level. (Where the value of the external award exceeds the Killam, there is no top-up to the stipend, but students do receive the Killam travel and research allowance.) Of the 16 scholars in all, 12 are Canadian citizens and four are international students, with one student declining the Scholarship. They join 11 Doctoral Scholars now in the second year of their scholarship program, representing five Canadian citizens and six international students.

Five new Killam Post-Doctoral Research Fellows were appointed for 2011-2012, three Canadians and two international, joining one renewal scholar for a total of six at UBC. The Fellowship provides a stipend of $50,000 for two years, plus a travel and research allowance of $6,000.

UBC also awards prizes to its teaching staff, in four categories:

**Killam Awards for Excellence in Mentoring:** These awards, announced at the Fall Convocation, have a value of $5,000 each and recognize one senior and one mid-career faculty member’s outstanding work in mentoring students. Winners must demonstrate a sustained track record of mentoring over many years.

**Izaak Walton Killam Memorial Faculty Research Fellowships:** These are open to all tenured UBC faculty members, and support research and field study during a sabbatical leave. Preference is given to scholars within 14 years of
receiving their doctoral degree. The award provides a salary supplement of $15,000 and a research grant of $3,000. Up to 10 of these awards are made annually.

**Killam Research Prizes:** Ten of these Prizes, valued at $5,000 each, are awarded annually for excellence in research: five in the Humanities and Social Sciences and five in the Natural, Applied and Health Sciences. In each category, at least three Prizes are awarded to senior researchers, i.e., those who have held their PhD for more than 12 years.

**Killam Teaching Prizes:** Candidates are nominated by colleagues, students or alumni. The award recognizes distinguished teaching at any level, and winners are announced and honoured at the Spring Convocation. Worth $5,000 each, approximately three awards are made annually.

In addition to these Killam Prizes, the University awards the designation “University Killam Professor” to exceptional faculty who hold an internationally or nationally recognized award of high esteem (for example, Nobel Laureate, Canada Council Killam Award, Order of Canada in recognition of scholarly accomplishment, etc.).

The names of all UBC Killam Scholarship Prize and Award winners are given at the end of this Report.
In this year’s scholarship competition at Dalhousie, there was – to the Trustees’ eyes at any rate – an extraordinary result: of the 22 new Killam Doctoral Scholars, 16 were women and only six were men. In the “level one” section of this competition (Master’s Degrees), it was a clean sweep: five women, no men. The year before, the men had squeaked out the narrowest of leads: 13 to 12. Of course, over the past three decades or so, women have taken their rightful place in the loftier reaches of higher education – even at traditional places like Oxford, they are now at the 48% level, for undergraduates at least. But we don’t believe it would have been predicted thirty years ago that women would surpass men in graduate programs. No doubt all concerned will follow this trend with interest.

Moreover, of the 54 Killam doctoral scholars now on stipend at Dal, there is yet another anomaly: 50 are Canadian, while only four are international students. This too represents a considerable shift from prior years, when foreign students represented a much higher portion of Killam Scholars at all Killam institutions across Canada.

Another statistic worthy of note: of this year’s 54 Killam Scholars, 31 also hold major external awards, demonstrating the very high quality of Dalhousie’s Killam Scholarship recipients.

The Post-Doctoral Killam Fellowship program at Dalhousie also appears to be in good shape. This year there were 49 applications, from 15 different countries. The University made three offers, each to the value of $51,000 per year. The program continues to be important in attracting top international scholars to Dalhousie.

Until recently, Dal had as many as five Killam Chair holders. Dr. Evangelos Milios, Computer Science, completed his term in March 2011; Dr. John Cullen in Ocean Studies completed his in December, 2010; and Dr. Martin Alda, Mood Disorders, will complete his in June, 2012. Dr. Axel Becke, Chemistry, was extended to June 2016, and Dr. Michael Ungar, Social Work, was awarded a new Killam Chair for a five-year term until June 2016.

Dalhousie awards a Faculty of Science Killam Prize annually, to enhance the careers of promising young scientists who have obtained their doctorate within
the past 11 years. This year’s winner is Dr. Penny Corkum, Associate Professor in the Department of Psychology.

Dalhousie also awards two Faculty of Science Killam Professorships each year, and these can be held for a five-year term. These appointments recognize the contributions of the Faculty’s most outstanding scientists. Currently, nine Faculty members hold this Professorship; new awards were announced this year for Dr. Jonathan Grant (Oceanography) and Dr. Mark Stradiotto (Chemistry).

Dalhousie, along with the Canada Council, were the recipients of gifts Mrs. Killam made during her lifetime, which she used to “test drive” the scholarship scheme set out in her Will. Dalhousie uses these funds to provide support for dozens of doctoral scholars at the University, according to need; although recipients are not designated as “Killam Scholars,” each is made aware of the source of their support.

The names of all of Dalhousie’s Killam award winners are listed at the end of this Report.
In closing, the Killam Trustees extend to the whole “Killam family of Scholars” all good wishes for 2012.

John H. Matthews, LLD
M. Ann McCaig, CM, AOE, LLD, Chancellor Emeritus, The University of Calgary
George T.H. Cooper, CM, QC, LLD, Managing Trustee
John S. Montalbano, CFA

The Trustees of the Killam Trusts
Halifax, Nova Scotia
December, 2011
Anne Byers: 1919-2011

Dr. David Colman: 1949-2011
UNIVERSITY OF ALBERTA

Killam Doctoral Scholars

New Scholars

Anwar Mohamed, Anwar; Pharmacy and Pharmaceutical Sciences*
Arbour, Victoria; Biological Sciences
Atapattu, Saman; Electrical & Computer Engineering*
Freistadt, Joshua; Sociology
Highet, Megan; Anthropology
Jendzjowsky, Nicholas; Physical Education & Recreation
Micelotta, Evelyn; Business
Milne, Andrew; Mechanical Engineering*
Robinson, Leslie; Secondary Education*
Sauer, Vincent; Electrical & Computer Engineering*
Seshia, Maya; Political Science*
Vogt, Stefanie; Biological Sciences*

Renewal Scholars

Annett, Michelle; Computing Science*
Bone, Kathleen; Laboratory Medicine and Pathology
Durán, Sandra; Earth and Atmospheric Sciences
Fedor, Justin; Biochemistry
Friedland, Hadley; Law*
Friesen, Lori; Elementary Education
Friesen, Sandra; Music*
Garcia Zarranz, Libe; English and Film Studies*
Guillette, Lauren; Psychology
Jensen, Britta; Earth and Atmospheric Sciences
Knight, Camilla; Physical Education and Recreation
Liu, Derek; Oncology*
McIntosh, Anne; Renewable Resources
Melentyeva, Mariya; History and Classics
Miwa, Koji; Linguistics
Mizianty, Marcin; Electrical and Computer Engineering
Stralberg, Diana; Biological Sciences*

* Honourary Killam Scholar – A designation given to scholars who have received an external award and whose qualifications entitle them to a Killam Scholarship and to all the benefits accorded to Killam Scholars.
Dorothy J. Killam Memorial Graduate Prize

Highet, Megan; Anthropology
Jendzjowsky, Nicholas; Physical Education and Recreation
Milne, Andrew; Mechanical Engineering
Vogt, Stefanie; Biological Sciences

Killam Postdoctoral Fellows

Azad, Meghan; Pediatrics*
Dickens, Mark; Religious Studies
Khan, Mahmud; Physics

Renewal Fellows

Ronyak, Jennifer; Music
Sirkel, Riin; Philosophy
Swanson, Heidi; Biological Sciences
Xiao, Feng; Electrical and Computer Engineering

Dorothy J. Killam Memorial Postdoctoral Fellow Prize

Dickens, Mark; Religious Studies

Killam Annual Professors

Babadagli, Tayfun; Civil and Environmental Engineering
Boyce, Mark; Biological Sciences
Elezzabi, Abdulhakem; Electrical and Computer Engineering
Grace, André; Educational Policy Studies
Haggerty, Kevin; Sociology
Jagodzinski, Jan; Secondary Education
Smith, Robert; History and Classics
West, Frederick; Chemistry

Killam Chairs

Frolov, Valeri; Physics
Schindler, David; Biological Sciences

Killam Award for Excellence in Mentoring

Krogman, Naomi; Resource Economics and Environmental Sociology
THE UNIVERSITY OF BRITISH COLUMBIA

Killam Doctoral Fellows

New Scholars

Ford, Adam; Zoology
Galizia, Dana; Economics*
Grist, Samantha; Electrical and Computer Engineering*
Henderson, Julia; Theatre and Film*
Miller, Natalie; Psychology*
Ong, Nicole; Kinesiology
Pakula, Barbara; Population and Public Health
Prebble, Zoë; Law*
Sandstrom, Gillian; Psychology*
Sbihi, Hind; Occupational and Environmental Hygiene*
Stang, Jared; Physics and Astronomy*
Takai, Osamu; Audiology and Speech Sciences*
Wells, W. Scott; Asian Studies
Willie, Chris; Human Kinetics, UBC Okanagan*
Yates, Julian; Geography*
Zlatanov, Nicola; Electrical and Computer Engineering

Renewal Scholars

Calvert, Aubin; Political Science*
Castellanos Hurtado, Valeria; Integrated Studies in Land and Food Systems
Coleman, Jonathan; Biochemistry and Molecular Biology*
Diaz Meneses, Juan Diego; Ethnomusicology*
Islam, Toufiqul, Electrical & Computer Engineering*
Kendall, Chad; Economics*
Khademolhosseini, Farzad; Mechanical Engineering
Lim, Diana; Neuroscience*
Mohammadi Zahrani, Ehsan; Materials Engineering*
Murphy, James; Resource Management and Environmental Studies
Pena, Olga; Microbiology and Immunology*

Killam – Donald N. Byers Prize

Willie, Chris; Human Kinetics, UBC Okanagan
Killam Postdoctoral Research Fellows

New Fellows

Chapman, Craig; Psychology
Knox, Kerry; Chemistry
Leung, Bonnie; Chemistry
Nomokonova, Tatiana; Anthropology
Smith, David; Botany

Renewal Fellows

Hewitt, Ian; Mathematics

Killam Faculty Research Fellows

Affolder, Natasha; Law
Bi, Xiaotao; Chemical and Biological Engineering
Christie, Gordon; Law
DeVilliers, Jessica; English
Fulton, Bruce; Asian Studies
Harley, Christopher; Zoology
Maldonado-Pareja; Maite; Earth and Ocean Sciences
Tortell, Philippe; Earth and Ocean Sciences
Zhou, Fei; Physics and Astronomy

Killam Faculty Research Prizes

Danielson, Dennis; English
Dunn, Elizabeth; Psychology
Elitis, Lindsay; Microbiology and Immunology
Krishnamurthy, Vikram; Electrical & Computer Engineering
Mavinic, Donald; Civil Engineering
Miller, Gregory; Psychology
Milligan, Kevin; Economics
Walley, Keith; Medicine
Winter, Ralph; Strategy and Business Economics

Killam Awards for Excellence in Mentoring

Fisher, Adlai; Finance
Fryzuk, Michael; Chemistry
McIlroy, Brian; Theatre and Film
Killam Teaching Prize

Altintas, Yusuf; Mechanical Engineering
Baimbridge, Kenneth; Cellular and Psychological Sciences
Buchanan, Marla; Educational and Counseling Psychology and Special Education
Chowrira, Sunita; Botany
Costantino, Manuela; Co-ordinated Arts Program
Evenden, Matthew; Geography
Gerber, Patricia; Pharmaceutical Sciences
Gordon, Paula; Radiology
Harris, Sara; Earth and Ocean Sciences
Haughn, George; Botany
Hoegg, JoAndrea; Marketing
Janara, Laura; Political Science
Johnson, Greg; Architecture and Civil Engineering
Kellett, Ronald; Landscape Architecture
LeMay, Valerie; Forest Resources Management
Mazawi, André; Educational Studies
McElduff, Siobhán; Classical, Near Eastern and Religious Studies
Nardizzi, Vin; English
Pang, Catherine; Anesthesiology, Pharmacology and Therapeutics
Parhar, Gurdeep; Family Practice
Pramanik, Malabika; Mathematics
Sarkonak, Ralph; French
Singh, Santokh; Botany
Whitney, Eli; Oral, Biological and Medical Sciences
THE UNIVERSITY OF CALGARY

Killam Doctoral Scholars

New Scholars

Abdel, Rahman; Khaled; Medicine*
Atwood, Kristin; Sociology
Gao, Shang; Computer Science*
Hamilton, Brett; Geoscience*
Schapp, Tanya; English*
Slater, Joshua; Physics*
Smith, Victoria; Psychology*
Stea, Jonathan; Clinical Psychology*
Uhrig, Richard; Biological Sciences*
Walker, Robin; Community Health Sciences
Zemp, Franz; Medicine*

Renewal Scholars

Anderson, Dustin; Neuroscience*
Bourdage, Joshua; Psychology
Gossen, Cecilia; Interdisciplinary
Hargreaves, Ian; Psychology*
Hung, Johanna; Neuroscience*
Hydomako, Richard; Physics and Astronomy
Lowan, Gregory; Education*
MacDonnell, Rhiannon; Business*
Mortimer, Leanne; Microbiology*
Moser, Joanna; Medicine*
Murphy-Oikenen, Jodie; Social Work
Sterniczuk, Roxanne; Psychology*
Thille, Patricia; Sociology*
Whitsitt, Elizabeth; Law*

Killam Postdoctoral Fellows

New Scholars

Callaghan, Tonya; Education
Carpenter, Yuen-ying; Chemistry
The Donald N. Byers Memorial Killam Prize
Atwood, Kristin; Sociology

Killam Visiting Scholars
Wyatt, Sally; Communication and Culture

Killam Research and Teaching Awards

Award for Leadership in Teaching
MacMillan, Ken; History

Innovation in Teaching Award
Read, Emma; Veterinary Medicine
Arindom, Sen; Chemical and Petroleum Engineering

Emerging Research Leader Award
DeVisscher, Alex; Chemical and Petroleum Engineering

Graduate Supervision and Mentoring Award
Tyberg, John; Medicine

Research Leader Award
Salahub, Dennis; Chemistry

Interdisciplinary Research Prize
Shrive; Nigel; Civil Engineering
Tyberg, John; Medicine

Killam Professors
Russell, Anthony; Biological Sciences
Pattison, David; Geoscience
Matyas, John; Medicine

Research and Scholarship Leave Fellowship
Framarin, Christopher; Philosophy
Landwehr, Regina; Archives
Quinn, Michael; Environmental Design
Whelan, Patrick; Veterinary Medicine

Killam Chairs
Herzog, Walter; Kinesology
THE CANADA COUNCIL FOR THE ARTS

Killam Research Fellows

New Fellows

Caplin, William; Fine Arts – McGill University
Hurka, Thomas; Philosophy – University of Toronto
Jia, Zongchao; Biochemistry – Queen's University
Schluter, Dolph; Biology – University of British Columbia
Orvig, Chris; Chemistry – University of British Columbia
Piers, Warren; Chemistry – University of Calgary
Wright, Gerard; Chemical Biology – McMaster University
Lovell, W. George; Historical Geography – Queen's University

Renewal Fellows

Jessop, Philip; Chemistry – Queen's University
Kumacheva, Eugenia; Chemistry – University of Toronto
Murphy, Brendan; Earth Sciences – St. Francis Xavier University
Kschischang, Frank; Engineering – University of Toronto
Mandelis, Andreas; Engineering – University of Toronto
Junker, Marie-Odile; Linguistics – Carleton University
Weaver, Donald; Medicine – Dalhousie University
Kaspi, Victoria; Physics, Space Science – McGill University

Killam Prize

Brassard, Gilles; Natural Sciences – Université de Montréal
Hayden, Michael; Health Sciences – University of British Columbia
Rice, Keren; Humanities – University of Toronto
Shafai, Lotfollah; Engineering – University of Manitoba
Zanna, Mark; Social Sciences – University of Waterloo
DALHOUSIE UNIVERSITY

Killam Masters and Doctoral Scholars

New Scholars

Allen, Stephanie; Psychology
Bell, Sheri; Sociology and Social Anthropology
Birnie, Kathryn; Psychology
Boys, Brian; Physics
Copeland, Samantha; Philosophy
Doan, Michael; Philosophy
Everist, Michelle; Chemistry
Fuentes Pardo, Angela; Biology
Jollymore, Courtney; Anatomy
Keeping, Rebecca; Math
Macdonald, Ian; Anatomy
McMillan, Justine; Oceanography
Murdock, Gillian; Biomedical Engineering
Olthuis, Janine; Psychology
Quinlan, Chelsea; Psychology
Rollison, Njal; Biology
Rourke, Jillian; Pharmacology
Shea, Patrick; Physics
Stairs, Courtney; Biochemistry
Sykes, Catherine; Law
Toxopeus, Jantina; Biology
Whidden, Christopher; Computer Science

Renewal Scholars

Banks, Aaron; Biochemistry
Boates, Brian; Physics
Brown, Aidan; Physics
Burger, Erika; Interdisciplinary
Chira, Sinziana; Sociology and Social Anthropology
Connon, Emma; Math
Cowper-Smith; Christopher; Psychology
Duchesne, Paul; Chemistry
Garant, Katy; Microbiology
Gillies; Kelsie; Pharmacology
Goreham, Vince; Civil Engineering
Gridley, Danielle; English
Jess, Constance; Computer Science
Lawrence, Michael; Psychology
Lee, Benjamin; Classics
Liu, Jean; Pharmacology
Mackinnon, Sean; Psychology
Manson, Benjamin; Classics
Mazerolle, Erin; Psychology
Morgan, Erin; Chemistry
Noel, Melanie; Psychology
Parks, Donovan; Computer Science
Patterson, Steven; Physics
Petter, Mark; Psychology
Rodd, Mary; English
Samarawickrema, Nethra; Sociology
Smith, Aaron; Physics
Stevens, Tynan; Physics
vanDonkelaar, Aaron; Physics
Watson; Barry; Economics
Whitney, Emma; Classics
Yang, Ziyian; French

Killam Postdoctoral Fellows

New Fellows

Stahlschmidt, Zachary; Psychology
Sterniczuk, Roxanne; Psychiatry
Wheaton, Craig; Chemistry

Renewal Fellows

Bestley, Sophie; Biology
Cann, Kendra; Pathology
Mason, Travis; English
Oppong, Richard; Law
Veres, Sam; Biomedical Engineering
Faculty of Science Killam Professor

Grant, Jonathan; Oceanography
Stradiotto, Mark; Chemistry

Faculty of Science Killam Prize

Corkum, Penny; Psychology

Killam Chairs

Alda, Martin; Mood Disorders
Becke, Axel; Chemistry
Cullen, John; Oceanography
Ungar, Michael; Social Work
MONTREAL NEUROLOGICAL INSTITUTE

Killam Scholars

Bar-Or, Amit
Bedell, Barry
Bernasconi, Andrea
Cloutier, Jean-François
Fellows, Lesley
Fon, Edward
Fournier, Alyson
Genge, Angela
Kennedy, Timothy
Pack, Christopher
Ruthazer, Edward
Zatorre, Rober

Killam Prize

Al-Jishi, Ahmed

Killam Professor

Pike, Bruce

Dorothy J. Killam Professor

Milner, Brenda

Killam Chair