2009 Annual Report of The Killam Trustees
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, close to 6,000 scholarship 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. 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 Quebec fishing lodge.

Izaak Walton Killam was one of Canada’s most eminent financiers, rising from 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 reticent 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 Montreal, 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.
2009 Annual Report of The Killam Trustees

Yes, the Killam Trusts have a lot of money – about $400 million, give or take. And yes, money can buy a lot of scholarships and other academic awards. But when you come right down to it, it’s always about the people. Without exceptional people to administer the Killam awards, and without world class scholars to receive them, the money might as well lie fallow. And this past year has been as rich in both kinds of talent as any since 1967 when the Killam Program began.

We begin with the presentation of the Canada Council Killam Prizes at Rideau Hall on October 8. Four of the five winners were there in person to receive their awards; the fifth was chairing an international scientific conference in France, so his son accepted the Prize in his place.

The Killam Prizes are, as a group, Canada’s leading prizes in the five fields of Health Sciences, Natural Sciences, Engineering, Social Sciences and Humanities. Given in recognition of lifetime achievement to scholars still fully engaged in their work, the Prizes are worth $100,000 each. We discuss this year’s exceptional winners in the Canada Council section of this Report.

Two other exceptional collaborators with the Killam Program this year were Their Excellencies the Right Honourable Michaëlle Jean, Governor General, and Jean-Daniel Lafond. The formal ceremony at Rideau Hall was a glittering affair, with their Excellencies taking obvious delight in the individual stories – to say nothing of the scholastic and research accomplishments – of the winners. Afterwards there was a “buffet banquet”, a novel and refreshing way to receive guests at such an occasion, which allows them to mingle freely with each other and, more important, with their Excellencies. A spectacular evening!

Carol Bream, Director of Public Affairs, Research and Communications and Director of the Killam Program at the Canada Council, is another “Killam personality” who deserves to be singled out. Carol, a scholar in her own right with a PhD and a lot of business experience besides, came to the Council 15 years ago, and it is fair to say that she has revolutionized the administrative aspects of the Council’s Killam Programs. A “techie” herself, she singlehandedly wrestled the Program into the 21st century, with online applications and financial
reporting that is both exquisitely detailed and user friendly. All the while she maintained and enhanced the selection process through the recruitment of some of Canada’s leading scholars to the Council’s adjudication committee. And through many personal visits over the years to Canada’s universities she brought increased attention to the Council’s two Killam Programs: the Killam Prizes, and the Killam Research Fellowships. The latter are open to mid-career scholars and researchers from all Canadian universities. They provide release time from teaching and administration duties, allowing the scholar a two year stretch to write a book or conduct research.

This year Carol retires; we shall miss her, but are grateful that she leaves the Council’s Killam Program in the very capable hands of Joanne Larocque-Poirier as Head of Endowments and Prizes and Luisa Guglielmo, Program Officer of the Killam Program and Arts Prizes.

Thank you Carol!

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*Bill Stevenson*, Head of Finance and Administrative Services at the Council, also retires this year. As the point man on the financial side, Bill has kept us whole through turbulent financial times, and he has the Trustees’ profound gratitude for that.

Thank you Bill!

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Staying with the “people” side of things, we must single out *Dr. E.A. (Ted) Holdaway* for special mention. Ted is a retired professor in the Education Department of the University of Alberta, and ever since the day in the late 1960’s when the offer of a Killam Doctoral Scholarship (worth the then princely sum of $4,000) lured him to Edmonton from his native Australia, he has been “Mr. Killam” at the U of A campus. We doubt there has ever been a Killam-related scholarship committee, planning committee or celebratory occasion at the U of A to which Ted has not contributed his time, talents and wisdom; and while many scholars from all six Killam institutions have done likewise, none have done it better or for so long
as Ted. On top of all that, Ted has chronicled for posterity the early years of the Killam Scholarship story. The Trustees were therefore delighted when the U of A conferred upon Ted this fall the title of “Honorary Killam Professor.”

Thank you Ted!

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Another Killam collaborator this year was Sir Albert Aynsley-Green, or “Sir Al” (or just plain “Al”, as he prefers to be called). Sir Al is indeed a bigger than life figure – an academic who nevertheless serves in a highly public role as England’s Commissioner for Children. An Oxford Professor of Paediatrics, Sir Al was tapped by former Prime Minister Tony Blair to provide independent advice to government on policies of all kinds – educational, criminal, correctional, recreational – that affect the lot of the 11 million children in England. In his stunning 2009 Killam Lecture at Pier 21 in Halifax this Fall, Sir Al showed just what a poor job we in the English speaking world are doing for the welfare (in the broad sense) of our children, especially in comparison with countries such as the Nordics and the Netherlands.

The Lecture was held in collaboration with The Izaak Walton Killam Hospital for Children in Halifax, which this year celebrates its 100th Anniversary as the tertiary care hospital for children in Atlantic Canada. As the name drives home, the Hospital was the beneficiary of large gifts in Mrs. Killam’s lifetime, and another $8 million in her Will, which enabled the erection of a brand new Children’s Hospital some 40 years ago. The “IWK”, as it is known locally, remains one of Canada’s leading clinical and research hospitals for children.

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Yet another “Killam personality” is Dr. Richard Goldbloom, OC, the first Head of Paediatrics at the new IWK in 1967 and still going strong. The Killam Trusts – which are quite separate from the IWK, even though Mr. and Mrs. Killam were the funding source for both – have long had a happy association with Dick and his indefatigable wife Dr. Ruth Goldbloom, OC, as Dick was for many years Chancellor of Dalhousie University. Ruth is the founder and inspirational driving force behind Pier 21, Canada’s Immigration Museum. Over 1.5 million immigrants entered Canada through Pier 21, and one in five Canadians can trace their roots to it.

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Finally on the “people” side, we single out Dr. George Karpati for special recognition. He too was a “bigger than life” figure, a preeminent researcher and clinician at the Montreal Neurological Institute at McGill University. Sadly, George passed away suddenly in February, 2009.

George fled his native Hungary in the late 1960’s and came to Dalhousie University as a Killam Doctoral Scholar. Soon after he went to the Neuro, where he pursued a distinguished career for 42 years as Izaak Walton Killam Chair in Neurology. His greatest achievements were in the field of Duchenne Muscular Distrophy, but he also studied and treated a wide range of muscular and neurological disorders. He published his findings in some 250 research papers and review articles, along with five major books. He was the author of the first modern text on neuromuscular diseases written in Hungarian. Dr. Karpati received many awards during his prolific lifetime, including the Order of Canada, the Order of Quebec (Knight), membership in the Royal Society of Canada and in Hungary’s Academy of Sciences. He received Lifetime Achievement Awards from the Muscular Distrophy Association of Canada, the World Federation of Neurology, and the MNI. He received Honourary Degrees from the University of Debrecen in Hungary, Dalhousie University and many others. He will be greatly missed.

Dr. George Karpati
1934-2009
But of course the most extraordinary people of all in our story are Mr. and Mrs. Killam themselves. *Izaak Walton Killam* was the leading Canadian financial figure of the first half of the 20th century, but it was his wife *Dorothy Johnston Killam* who gave life to their oft-discussed dream of using his estate, after his wife's death, to found the magnificent Killam Scholarship and Awards Program that we see today.

Five of the six “Killam institutions” are universities located in the regions of the country where Izaak Walton Killam made his fortune. These are Dalhouse University, in Halifax; the Montreal Neurological Institute at McGill University; the University of Alberta, in Edmonton; The University of Calgary; and The University of British Columbia, in Vancouver. The sixth, of course, is The Canada Council for the Arts, whose Killam Program is administered privately in the sense that it forms no part of the Council's public mandate to promote and support the Arts in Canada.

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In May this year the Montreal Neurological Institute (MNI) held a special Convocation and Lifetime Achievement Awards Ceremony at which the Killam Trusts were honoured by being given the MNI's Lifetime Achievement Award for Philanthropy. The Trustees were delighted to be there to accept this award on behalf of the Killam Estate and to meet and listen to the remarks of the recipients of awards conferred for lifetime distinction in their professional field.

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In last year’s Report we asked rhetorically whether the future of the Killam Program would be as bright as its past. We noted that we were in the midst of the wildest financial storm in recent history, that the market value of the Killam Trusts had fallen dramatically from its $425 million high water mark, and that spendable income from the Trusts could fall dramatically as a result.

Today, with markets up substantially from their deep lows of late 2008 and early 2009, we are cautiously optimistic for the future. Nevertheless, even if capital values rebound to their previous heights – and we are by no means out of the woods yet – annual spending will remain below recent levels. This is because all the Killam institutions have determined that spending levels of five percent of market value are no longer sustainable in the long term, if one adds inflation plus the cost of managing the funds. But the good news is that, over time, these lower spending levels should allow the capital of the funds to grow somewhat – perhaps even to the point where one day the lower spending rate when applied to the higher capital base could yield more than the older, richer spending formula. In any case, there is no choice, if the goal is to preserve intergenerational equity by providing the same opportunities to tomorrow's scholars as are enjoyed by those of today.

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The next section is a brief report on the doings of each institution during the past year.

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University of Alberta

Continuing on the financial theme, the U of A this year capped its annual spending from endowment funds at 3.5%, in view of the international financial meltdown. The University will shortly decide whether next year’s spending level will revert to the previously announced 4.25%.

That said, the year-to-date return on the University’s endowment is up substantially, and market values are slowly climbing back up towards their previous highs.

Regarding the Killam Scholarship Program at the U of A, readers of this Annual Report will know that in recent years there has been much discussion about the value of the Killam Scholarships in comparison with other prestigious awards, in particular the Canada Graduate Scholarships awarded under the NSERC, SSHRC and CIHR programs, which are valued at $35,000. Given that Killam Scholarships are awarded to the leading scholars on campus (as is the case in all of the other Killam universities), the U of A has for some years been looking forward to the day when the value of the Killam Scholarship could be raised to be equal to, or exceed, that of the CGS.

After discussion this Fall at a meeting of the U of A’s Killam Trusts Committee, of which the Trustees are members, it was agreed that the Killam Scholarship will now be valued at slightly over $35,000, and thus be competitive in dollar terms with the CGS. Although this has involved an increase in the stipend itself, the major portion of the enhanced value simply has to do with “repackaging” the additional allowances and emoluments which have traditionally been awarded to winners of the Killam Scholarship; these include tuition fees, travel and conference grants, and the like. The Trustees have approved this repositioning of the Killam Scholarship vis-à-vis its main external competitor, on the basis that a true “apples to apples” comparison of the total dollar value indeed suggests that the two are on a par. A major difference, however, is that while scholarships from Canada’s National Granting Councils are open only to Canadians, the Killam Scholarship is open to all, regardless of nationality. It thus presents the Killam universities with a valuable opportunity to attract top scholars from around the world, who might not otherwise come to Canada for their graduate work.

New Killam Doctoral Scholarships were awarded this year to 19 scholars at the U of A, of whom a full 13 are “honourary”; this is the designation given to those who, in addition, have received valuable external scholarships which are then
topped up to the Killam level. They join 10 scholars (five honourary) who have had their scholarships renewed for a second year.

Five Post-Doctoral Fellowships were also awarded, with three renewals.

At the U of A, uniquely among the Killam universities (but soon to be joined by the University of Calgary), there is a program to recognize “Killam Annual Professors”. These are leading professors in mid-career who, in addition to their scholarly work and teaching, have contributed in some way to the wider community. This year, six worthy recipients were nominated, and the Killam Trustees enjoyed a special lunch with these scholars and their families and colleagues at which we heard brief reports, always skilfully and often wittily delivered, regarding their research.

Other Killam Awards at the U of A are:

- **The Dorothy J. Killam Memorial Graduate Prize**, offered each year to the most outstanding scholarship recipient in each of the four discipline-specific sub committees in the annual scholarship competition: Engineering, Math and Physical Sciences; Life and Health Sciences; Social Sciences, Humanities and Fine Arts; and Education, Physical Education and Professional Programs. The Prize is $2,500.

- **Dorothy J. Killam Memorial Postdoctoral Fellow Prize**: A $2,500 award is made to the leading Postdoctoral Fellow, based on academic achievement, research proposal, publications, letters of recommendation and leadership qualities.

- **Killam Award for Excellence in Mentoring**: This $5,000 award recognizes an academic staff member who has demonstrated outstanding performance in mentoring summer research students, graduate students, post-graduate fellows and visiting research scholars.

Finally, the U of A enjoys funding for two Killam Memorial Chairs in scientific and/or engineering fields. The U of A’s current Killam Chair holders continue to be Dr. Valeri P. Frolov, Department of Physics and Dr. David W. Schindler, Department of Biological Studies.

The names of all of the U of A’s scholarship and award winners are given at the end of this Report.
The Canada Council for the Arts

As noted at the beginning of this Report, the five Killam Prizes this year were presented at Rideau Hall by Her Excellency Michaëlle Jean, Governor General of Canada. Remarkably, three of the five were won by scholars at McGill.

This year’s eminent Prize winners were: –

• *Dr. Philippe Gros*, McGill University, Health Sciences: Dr. Gros is a world expert in mouse genetics who, a decade before the human genome project was even formulated, was inventing and implementing strategies for genomic analysis, seeking to identify the key genes affecting human health by tracking responses to pathogens or therapeutic interventions. His seminal discoveries have advanced knowledge in three key biomedical areas: the molecular biology of multi-drug resistance; the genetic analysis of neurodevelopmental defects (eg. spina bifida and anencephaly); and the host genetics of infectious diseases (eg. tuberculosis, malaria and salmonella). Not only has he pioneered the strategic approach to identifying genetic mutations in the fields of infection, cancer and neurogenesis, he has also provided essential knowledge about disease pathways, as well as models for much of the way modern molecular genetics is approached. A prolific researcher, Dr. Gros has over 300 heavily-cited papers to his credit. Dr. Gros is James McGill Professor in the Department of Biochemistry, and trains the future’s top international researchers at the Centre for the Study of Host Resistance and the McGill Cancer Centre. He is also Scientific Director of the Canadian Genetic Diseases Network and scientific co-founder of two spinoff technology companies. He is a Fellow of the Royal Society of Canada, a Distinguished Scientist of the Canadian Institute of Health Research, and an International Scholar of the Howard Hughes Institute.

• *Dr. Wagdi G. Habashi*, McGill University, Engineering: Dr. Habashi has devoted his career to tackling, in novel ways, major problems in the field of computational fluid dynamics simulation. His remarkable work in the science of solving the complex equations that govern the flow physics of gases in fluids has led him to develop innovative simulation techniques for applications in industrial settings, including jet engine design, in-flight ice formation, and related fields. He has published 270 scientific papers and is Editor-in-Chief of the International Journal of Computational Fluid Dynamics (CFD). He is
Professor of Mechanical Engineering at McGill, and NSERC-Bombardier-Bell Helicopter-CAE Industrial Research Chair for Multi-Disciplinary CFD. He is a Fellow of the Royal Society of Canada and the Canadian Academy of Engineering, and holds many international awards.

• Dr. François Ricard, McGill University, Humanities: Dr. Ricard’s cross disciplinary writings on Quebec literature and society have propelled this literary critic and essayist to a prominence that extends far beyond McGill, where he has taught in the Department of French Language and Literature since 1971. He is the leading expert on Gabrielle Roy, the well-known Canadian francophone writer, and this and his other writings on Quebec literature stamp him as a major interpreter of the Quebec community to the world. His prodigious output includes many research studies, collaborative studies and critical editions; some 80 articles and book sections; as well as textual analyses rediscovering earlier Quebec authors. Dr. Ricard’s numerous honours include the Governor General’s Literary Award (Non-Fiction) and the Académie française’s Grande Médaille de la Francophonie. He is a Fellow of the Royal Society of Canada.

• Dr. John P. Smol, Queen’s University, Natural Sciences: Dr. Smol is one of the world’s leading environmental scientists, and is an international authority on arctic fresh water conditions and environmental change. A pioneer in paleolimnology, Dr. Smol has worked to transform a largely descriptive study of natural and human impacts on lakes into a recognized quantitative science with powerful analytical properties. His groundbreaking research on lake acidification and other forms of pollution, land use changes, and climate change has permanently altered views regarding the extent to which human activities affect the natural environment, and prompted key public policy and program development worldwide. He has published over 350 journal articles and book chapters as well as 16 books, and has mentored many of today’s influential scientists. He is Professor in the Department of Biology and the School of Environmental Studies at Queen’s University, and holds the Canada Research Chair in Environmental Change there. He is the winner of the NSERC Hertzberg Gold Medal as Canada’s top scientist and engineer.

• Professor Ernest J. Weinrib, University of Toronto, Social Sciences: Professor Weinrib is Canada’s preeminent legal theorist, and an internationally recognized scholar of private law. He has reconceptualised the nature of legal liability by turning attention from law’s instrumental uses to its moral meaning.
His theory of corrective justice transformed academic legal discourse by providing a new understanding of the distinctive morality of private law, and the application of his theory to tort law and to other bases of liability has been central to contemporary academic debate both in Canada and abroad. His work addresses fundamental questions about the relationship between law, freedom and nationality, and presents new insights into the nature of legal coherence, the limits of legal competence, the autonomy of legal reasoning, and the relation of legal doctrine to legal theory. Combining legal and philosophical analysis, he has been a pioneer in interdisciplinary legal scholarship in Canada. Professor Weinrib has taught at the University of Toronto since 1968 and now holds the rank of University Professor and Cecil A. Wright Professor of Law. He is a Fellow of the Royal Society of Canada, and a foreign honorary member of the American Academy of Arts and Sciences.

The Canada Council also awards Killam Research Fellowships to leading scholars in mid career from universities across Canada. This year, nine new KRFs were awarded and 10 were renewed.

It is worthy of special note that the Canada Council has this year undertaken a vigorous set of activities to raise the visibility of its Killam Program, including enhanced website presentations. It is hoped that these efforts will expand in the years to come, bearing in mind that the Killam Prize Program is “the jewel in the crown” of the Killam Program across Canada.

The names of the all of the Killam Prize winners and Killam Research Fellows are given at the end of this Report.

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Montreal Neurological Institute of McGill University

During 2008-2009, the MNI hosted 33 internationally recognized scientists and clinicians from across North America and Europe, at its weekly MNI/Killam Research Seminar Series in Neuroscience. The Institute also awards an Annual Killam Prize for the best neuroscience research presentation by a researcher Killam trainee; the 2009 Killam Prize winner is Dr. Taner Tanriverdi, a neurosurgery resident.

Thirteen Killam Scholars are on stipend at the Neuro, and collectively they brought in external research grants aggregating over $6 million in the year to May 31, 2009.

A brief outline of the work of two of the MNI's Killam Fellows might serve to engender an appreciation of the extraordinary research conducted there:

*Barry Bedell*, MD, PhD is Assistant Professor in the Department of Neurology and Neurosurgery at McGill. He is Director of the Small Animal Imaging Lab and Director of the Experimental Neuropathology Laboratory where he is establishing state of the art animal imaging and experimental neuropathology programs, as part of the Montreal Consortium for Brain Imaging Research. Dr. Bedell is seeking to integrate different imaging techniques – animal MRI, microPET, and advanced digital microscroscopy. Integration will allow a complete analysis of experimental therapies in animal models of Central Nervous System diseases such as Alzheimer's disease, brain tumours and multiple sclerosis. Dr. Bedell's research is supported by CIHR, NSERC and CFI.

*Chris Pack*, PhD. is also an Assistant Professor in the Department of Neurology and Neurosurgery at McGill. Dr. Pack's research at the MNI looks at the way neurons communicate visual information. His laboratory uses electrophysiological techniques to record neurons that process information about the visual world. The exchange of visual information among neurons is a kind of code which Dr. Pack can quantify by combining neurophysiological data and mathematical modelling. He then compares this information to data on perception and behaviour, which leads him to draw conclusions about the relation between neuro-activity and sight. Among Dr. Pack's interests is eye movement, particularly among animals that can smoothly track fast moving objects. In 2009, he was the lead author of four papers in scientific journals, and his work has also attracted interest in
the mass media. Among his many awards, he has received the Alfred P. Sloan Foundation Research Fellowship. He is a NARSAD Young Investigator, and receives support from the EJLB Foundation, the Canadian National Institute for the Blind, CIHR, CFI, NSERC, and Quebec’s Ministry of Economic Development, Innovation and Exportation.

Dr. Brenda Milner, the Dorothy J. Killam Professor at the Montreal Neurological Institute, McGill University, is one of four recipients of the prestigious International Balzan Prize for 2009. Dr. Milner’s Prize was awarded for Cognitive Neuroscience. Each awardee will receive approximately $1 million CDN (one million swiss francs), half of which must be designated for research. In the coming months, Dr. Milner will convene a study group to further define this project, as the next step on her 59 year research career path at the Neuro.

Sadly, we report the death in February 2009 of Dr. George Karpati, whose brief biography appears earlier in this Report. Until his death he held the Izaak Walton Killam Chair in Neurology at the Neuro and its associated hospital. Dr. Karpati was recognized as one of the world’s leading experts on the diagnosis and treatment of neuromuscular disorders.

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The University of Calgary

The financial situation at the U of C, as with the other Killam institutions, took a wild rollercoaster ride over the past year. However, by mid-October when the Trustees paid their annual fall visit, the story was quite positive indeed: the market rebound over the previous six months had left the market value of the Killam funds only four and a half percent down from their all-time high. Nevertheless, the U of C will go to a four percent spending rate as of April 1, 2010, to ensure that the funds will continue to maintain their value after inflation in the years to come.

The U of C has embarked on a number of important enhancements to its Killam Program. New this year are the Killam Research and Scholarship Leave Awards, which enhance the winner’s sabbatical stipends to an amount equivalent to a full-time salary. These Awards, four in number, will be made on a competitive basis; two will be targeted to SSHRC faculties and two will be open to the whole campus. The objective of the new program is to encourage scholars who might not otherwise take a sabbatical leave, due to the decrease in salary, to do so.

Another innovation is the proposal for “Killam Annual Professorships.” This is an award based on scholarly activities such as teaching, research, publications, creative activities, presented papers, supervision of graduate students and courses taught, as well as service to the community beyond the University. The University of Alberta has had a similar program for a number of years, which has operated very successfully there as a way of extending the reach of the Killam Program to many professors across campus who would not otherwise benefit from the Killam gifts. The Trustees are therefore pleased to see U of C adopt a similar program and are confident that it will show its worth in the years to come.

Another new departure is the proposal to make four awards for graduate mentorship, to be known as the “Izaak Walton Killam Outstanding Achievement in Supervision Award.” Here again the Trustees support this imaginative use of Killam funds at the U of C.

The Killam Fellowships Program, which has operated for a number of years at the U of C, will be suspended to provide funds to some of these new programs; it had been found that fewer and fewer Professors were applying for these
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.

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We are holding the 2010 Killam Annual Lecture in Toronto on Thursday, November 4, 2010. 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 November 4, 2010

**Please return this form to:** The Killam Trusts, Room 202, Henry Hicks Building, 6299 South Street, Halifax, NS B3H 4H6
fellowships, which provided three months of release to allow the Professor to pursue research uninterrupted.

The U of C of course continues with its Doctoral and Post-Doctoral Killam Awards. For the current year, nine new Killam Doctoral Scholarships were awarded (seven honourary), and eight scholars received renewals for a second year (five honourary). The “honourary” designation refers to the fact that these scholars have all received major external awards, such as those from SSHRC or NSERC; the external awards are then topped up to the Killam level for scholars who reach the Killam standard of excellence.

The U of C has elected one Killam Post-Doctoral Fellow in the current year, while the two Killam Chairs continue to be Drs. Shrive and Gravel.

The names of all of these Killam Award winners are shown at the back of this Report.

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The University of British Columbia

Also at UBC, finances loomed starkly over the horizon during the past year. The University's endowment spending rate, which had been five percent, was reduced to 3.5% commencing April 1, 2009. In UBC's case, however, this reduction was not so much a reaction to the worldwide market crash, as to a study which suggested that if spending were to continue at the higher level, it would be likely that annual expenses, when added to inflation, would reduce the purchasing power of UBC's endowed funds over a 10-year period. The University will monitor this 3.5% spending level going forward, a spending level which actually translates to four percent when endowment management expenses are included.

In spite of the difficult financial environment, the Killam Scholarship Program at the University of British Columbia continues as the leading one for graduate students and post graduate fellows. Eighteen new Killam Doctoral Scholarships were awarded this year, 11 to Canadian citizens/permanent residents, and seven to international students. They joined the nine doctoral scholars from last year’s competition whose stipends have been renewed for a second year – three Canadian citizens/permanent residents, and six international students.

As with other Killam universities, the aggregate value of the Killam Doctoral Scholarships now approaches the $35,000 level of the Canada Graduate Scholarships, when all of the various components (stipend, tuition fee payment, and conference supplements) are added together.

In UBC's Killam Postdoctoral Fellowship competition, six candidates out of nine nominations were confirmed as winners in the current year. Two of these candidates are PhD’s from Oxford University, one a philosopher with a special interest in Plato, and the other a researcher in the field of geophysical fluid dynamics who will be focusing on the movement of water beneath ice sheets. Candidates from the University of Michigan, the Aristotle University of Thessaloniki, the University of California (Davis), the University of Alberta and McMaster University round out the list of postdoctoral fellows. They join five fellows whose terms have been renewed for a year.

UBC also awards Killam Faculty Research Fellowships and Killam Research Prizes, ten and five respectively. In addition, there are 24 Killam Teaching
Prizes, awarded to faculty members in recognition of excellent teaching and supervision, and the Killam Award for Excellence in Mentoring. This latter Award, made to Dr. Rita L. Irwin in the Department of Pedagogy, Faculty of Education, in November of 2008, recognizes outstanding performance in mentorship of graduate students. Like the Killam Research Prizes, it is worth $5,000, while the Killam Faculty Research Fellowships are worth $15,000 per year with a travel and research grant of $3,000; they are awarded to faculty members for UBC-approved study leaves.

As with all of the other Killam institutions, the names of this year's winners are provided at the end of this Report.

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Dalhousie University

Dalhousie is fortunate to have seven different Killam Programs, benefiting as it does from a somewhat more generous funding level than the other Killam institutions. Perhaps this is not entirely surprising, given Izaak Walton Killam’s Nova Scotia roots; but it does mean that Dalhousie, much more than its sister Killam universities, is highly dependent for the success of its research programs on Killam funds.

As always, the “heart and soul” of the Killam Program at Dalhousie is the Killam Scholarship Program. These Scholarships are awarded to graduate students in thesis programs at the Masters and Doctoral level in all disciplines except the fine arts; they are the most prestigious awards offered by the University, and are based on a highly selective competition. For 2009 and 2010, 22 new Scholarships were offered (10 Masters, 8 Doctoral), while 66 students had their awards renewed (12 Masters and 54 Doctoral). Among the 88 scholars now on stipend, 77 are Canadian, and the balance come from six different countries. Fully 56 were successful in obtaining major external awards, and thus received the designation of “Honourary Killam Scholars” – that is, doctoral scholars whose external awards are “topped up” to the Killam level. This high number of external awards demonstrates the very high quality of Dalhousie’s Killam Scholars.

Dalhousie’s Post-Graduate Killam Fellowship competition is open to doctoral graduates within two years of graduation from any discipline or nationality. Four new Killam PDFs were awarded in 2009, while five continue at various stages of the second year of their Fellowship. The Killam PDF competition is advertised internationally, and builds on Dalhousie’s reputation as one of the world’s top universities for research climate and interdisciplinary cooperation.

Five Killam Chair holders at Dalhousie continued their terms: –

- Dr. Zhizhang (David) Chen, Electrical and Computer Engineering
- Dr. John Cullen, Ocean Studies
- Dr. Axel Becke, Chemistry
- Dr. Evangelos Milios, Computer Science
- Dr. Martin Alda, Mood Disorders
Dalhousie awards a Faculty of Science Killam Prize each year in recognition of promising scientists who have obtained their Doctorate over the past 11 years. This year’s Prize winner is Dr. Joseph Bielawski, Associate Professor in the Department of Biology. The University also awards Faculty of Science Killam Professorships, which can be held for a five-year term. Currently, seven Faculty members hold these Professorships.

The Killam Annual Dinner in recognition of the new crop of Killam Scholars featured this year, as a speaker, Dr. Peter Coffman, a Killam Postdoctoral Fellow, whose subject is 19th century gothic revival architecture in Nova Scotia. Dr. Coffman gave a compelling “architectural tour” of a large number of rural Nova Scotia churches which, according to Dr. Coffman, constitute the leading collection of architectural gems in Canada. Dr. Coffman has become a bit of a media star in recent months, as his work is used by local historical societies across Nova Scotia as a basis for saving these magnificent specimens from the wrecker’s ball – or, worse, permanent decay or even removal from the Province – as rural populations move inexorably to the city and those that remain slowly drift away from the church-going and other social activities involving the church which had been their heritage from generations before.

You can read the names of all of the Killam Prize winners at Dalhousie at the end of the book.

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In closing, the Killam Trustees extend to the whole “Killam family of Scholars” all good wishes for 2010.

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
November, 2009

L-R: Mr. George T.H. Cooper, CM, QC, LLD, Mr. John H. Matthews, LLD, Mrs. M Ann McCaig, CM, AOE, LLD, and John S. Montalbano, CFA.
University of Alberta

Killam Doctoral Scholars

**New Scholars**

- Aktary, Zackie Mohamed; Medicine
- Alam, Md Noor E.; Engineering & Architecture
- Boers, Nicholas; Computing Science*
- Boisvert, Jeffery; Engineering & Architecture*
- Fujihara, Toshiyuki; Education
- Goble, Erika; Education*
- Hamdon, Evenlyn; Education
- Ivashkiv, Roman; Languages & Literature: Modern*
- Kmita, Catherine; Anthropology*
- Lefsrud, Lianne; Business*
- Moghimi, Hassan; Engineering*
- Omar, Mohamed; Pharmacology*
- Oriola, Temitope; Sociology
- Otiono, Nduka; Languages & Literature: English
- Reiswich-Dapp, Viktoria; Music*
- Rooney, Rebecca; Biological Sciences*
- Shen, Rui; Computer Science*
- Sun, Miao; Education*
- Thomas, Michael; Engineering*

**Renewal Scholars**

- Alibhai, Arif; Medical and Health Sciences
- Cao, Yi; Computer Science*
- Cox, Christopher; Linguistics*
- Gotzke, Carrie; Rehabilitation Medicine
- Jahan, Nasreen; Engineering & Architecture
- Kapty, Janice; Medicine*
- Lynch, Karlene; Biological Sciences*
- Nakagawa, Satoru; Educational Policy Studies*
- Pinzon, Jaime; Renewable Resources

*Honorary 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.
Pivovarov, Peter; Mathematics & Statistical Sciences
Dorothy J. Killam Memorial Graduate Prize
Aktary, Zackie Mohamed; Medicine
Goble, Erika; Education*
Moghimi, Hassan; Engineering*
Reiswich-Dapp, Viktoria; Music*

**Killam Postdoctoral Fellows**

**New Fellows**
Amsel, Aaron; Physics
Ickert, Ryan; Earth & Atmospheric Sciences
James, Patrick; Biological Sciences
Karst, Justine; Biological Sciences
Sunahori, Fumie; Chemistry

**Renewal Fellows**
Lee-Nichols, Robert; Philosophy
Maxwell, Erin; Biological Sciences
Theiner, Georg; Philosophy

**Dorothy J. Killam Memorial Postdoctoral Fellow Prize**
Sunahori, Fumie; Chemistry

**Killam Annual Professors**
Fliegel, Larry; Biochemistry
Huang, Biao; Engineering
Mackey, Margaret; Management
Page, Don; Physics
Rodgers, Wendy; Education
Zaïane, Osmar; Computer Science

**Killam Chairs**
Frolov, Valeri; Physics
Schindler, David; Biological Sciences

**Killam Award for Excellence in Mentoring**
Clandinin, D. Jean; Education
Pemberton, S. George; Earth & Atmospheric Sciences
The University of British Columbia

Killam Doctoral Fellows

New Scholars
- Al Kiswany, Samer; Engineering
- Baker, Liv; Biological Sciences
- Berndt, Anthony; Biological Sciences
- Blois, Cindy; Mathematics
- Crane, Angela; Chemistry
- Davis, Emily; Geography
- Ettenauer, Stephen; Physics & Astronomy
- Findlater, Kieran; Environmental Studies
- Gerstein, Aleeza; Zoology
- Hua, Lei; Statistics
- Kneeland, Terri; Economics
- Lauck, Sandra; Nursing
- Lauzon, Jean Michel; Chemistry
- Mahsuli, Mojtaba; Engineering
- Schreier, Hannah; Psychology
- Szakay, Anita; Linguistics
- Timmins, Lori; Economics
- Van Vorst, Daryl; Engineering

Renewal Scholars
- Byers-Heinlein, Krista; Psychology
- Gallo, Marco; Medicine
- Higashi, Daisaku; Political Science
- Jankhah, Sepideh; Civil Engineering
- Jones, Daniel; Psychology
- Liang, Yang Wen; Electrical and Computer Engineering
- Moradifam, Amir; Mathematics
- Toleno, Robban; Asian Studies
- Zahir, Farah; Medical Genetics

Killam – Donald N. Byers Prize
- Blois, Cindy; Mathematics
Killam Postdoctoral Research Fellows

New Fellows
Griffin, Michael; Classical, Near Eastern, & Religious Studies
Hewitt, Ian; Mathematics
Luehrmann, Sonja; Anthropology & Sociology
Michalopoulos, Diomidis; Engineering
Rowe, Heather; Earth Sciences
Sarfraz, Rana; Earth Sciences
Shenouda, Michael; Electrical and Computer Engineering

Renewal Fellows
Day, James; Physics
Galli, Gina; Land and Food Systems
Lai, Karen; Geography
Loewen, Peter; Political Science
Marlin, Benjamin; Computer Science
Mayrose, Itay; Zoology
Risko, Evan; Psychology

Killam Faculty Research Fellows
Brauner, Colin; Zoology
Cripton, Peter; Engineering
Damascelli, Andrea; Physics & Astronomy
Kroller, Eva-Marie; Languages & Literature: English
Li, Loretta; Engineering
Lupton, Christina; Languages & Literature: English
Miller, Gregory; Psychology
Plotkin, Steven; Physics & Astronomy
Sheffer, Alla; Computer Science
Weis, Dominique; Earth & Ocean Sciences

Killam Faculty Research Prizes
Craig, Ann Marie; Psychiatry
Esdaile, John; Medicine
Leung, Peter; Medicine
Linden, Wolfgang; Psychology
Lowe, David; Computer Science
Norenzayan, Ara; Psychology
Rensink, Ronald, Psychology
Robinson, Sandra; Business
Signorell, Ruth; Chemistry
Wand, Yair; Business
Killam Award for Excellence in Mentoring

Irwin, Rita; Education

Killam Teaching Prize

Doroudi, Majid; Biological Sciences
Hall, Wendy; Nursing
Hamm, Corey; Music
Haverkamp, Beth; Education
Jaeger, Carol; Engineering
Konoval, Brandon; Music
Loewen, Philip; Mathematics
Love, Jennifer; Chemistry
MacEntee, Michael; Health Professions
MacNeily, Andrew; Medicine
Phelan, Anne; Education
Posarac, Dusko; Engineering
Price, Richard; Political Science
Purves, Barbara; Health Professions
Rechnitzer, Andrew; Mathematics
Redenbach, Darlene; Health Sciences
Riggs, Wayne; Pharmacology
Samuels, Lacey; Biological Sciences
Simpson, Anne; Languages and Literature: French
Sinclair, Anthony; Zoology
Sprague, Elaine; Business
Sunderberg, Juanita; Geography
Walters, Carl; Earth Sciences
Zeitlin, Michael; Languages & Literature: English

University Killam Professors

Affleck, Ian; Physics & Astronomy
Evans, Robert George; Health Sciences
Hayden, Michael; Medicine
Jones, David; Zoology
The University of Calgary

Killam Doctoral Scholars

New Scholars
- Bennett, Drew; Biological Sciences*
- Dunsday, Travis; Philosophy*
- Jamal, Aamir; Social Work
- Maddan, Hillary; Biological Science*
- Manske, Sarah, Biomedical Engineering*
- Payete, Gillman; Philosophy*
- Reid, Aylin; Medicine: Neuroscience*
- Rifaat, Shakil; Engineering: Civil
- Smith; Victoria, Psychology*

Renewal Scholars
- Al-Emran, Ahmed; Electrical and Computer Engineering*
- Epp, Amanda; Clinical Psychology*
- Gifford, Jessica; Biological Sciences*
- Grewal, Chandandeep Singh; Mechanical & Manufacturing Engineering
- Koning, Nicholas; Physics and Astronomy*
- Ngo, Hieu; Social Work
- Oelke, Nelly; Health Professions

Killam Postdoctoral Fellows

New Scholars
- Cowan, Theresa; Languages & Literature: English
- Rozanova, Julia; Sociology

The Donald N. Byers Memorial Killam Prize
- Reid, Aylin; Medicine*

Killam Visiting Scholars
- Al-Krenawi, Alean; Social Work

Killam Resident Fellows
- Pending program review

Killam Chairs
- Gravel, Roy; Medicine & Kinesiology
- Shrive, Nigel; Civil Engineering
The Canada Council for the Arts

Killam Research Fellows

New Fellows
Brandenberger, Robert; Physics, Space Science – McGill University
Craig, Walter; Mathematics – McMaster University
Grier, James; Music – University of Western Ontario
Herzog, Walter; Biology – University of Calgary
Sauer, Elizabeth; History, Literature – Brock University
Simon, Sherry; Language, Translation – Concordia University
Stephan, Douglas; Chemistry - University of Toronto
Strynadka, Natalie; Biology – University of British Columbia
Thomson, David; Computer Science, Space Physics – Queen's University

Renewal Fellows
Anctil, Pierre; Anthropology - University of Ottawa
Beatty, John; Biology - University of British Columbia
Darmon, Henri; Pure Mathematics - McGill University
Demopoulos, William; Philosophy - University of Western Ontario
Edwards, Elizabeth; Environmental Microbiology - University of Toronto
Funk, Colin; Pharmacology, Physiology - Queen's University
Rood, Stewart; Environmental Management - University of Lethbridge
Shoichet, Molly; Chemical Engineering - University of Toronto
Smith, Stephen; Law -McGill University
Tenzer, Michael; Musicology - University of British Columbia

Killam Prize
Gros, Philippe; McGill University; Health Sciences
Habashi, Wagdi; McGill University; Engineering
Ricard, François' McGill University; Humanities
Smol, John; Queen's University; Natural Sciences
Weinrib, Ernest; University of Toronto; Social Sciences
Dalhousie University

Killam Masters and Doctoral Scholars

New Scholars
Boates, Brian; Physics*
Burks, Marlo; Languages & Literature: German
Conrad, Janet; Biomedical Engineering
Dohoo, Carolyn; Health Sciences*
Gridley, Danielle; English*
Handley, Christine; Languages & Literature: English*
McArthur, Mark; Physics*
McQuaid, Mary; Biochemistry*
Parks, Donovan; Computer Science
Pavlovski, Mark; Mathematics*
Petter, Mark; Psychology*
Quinlan, Chelsea; Psychology*
Reddy, Tyler; Biochemistry*
Regan, Charlene; History*
Rioux, James; Physics*
Stairs, Courtney; Biochemistry*
Van Hengstum, Peter; Earth Sciences *
Watson, Barry; Economics*

Renewal Scholars
Adlam, Caroline; Mathematics & Statistics*
Adsett, Constance; Computer Science*
Arabi, Alya; Chemistry*
Bradley, Kristina; Psychology
Brewer, Kimberly; Physics
Burger, Erika; Interdisciplinary PhD*
Butcher, Nancy; Psychology*
Carpenter, Yuen-ying; Chemistry*
Chira, Sinzina; Anthropology & Sociology
Copeland, Samantha; Philosophy*
Cyr, David; Biological Sciences*
Engler, Maria; Law
Fawcett, Jonathan; Psychology*
Filliter, Jillian; Psychology*
Fulton, Heather; Psychology*
Garant, Katy; Microbiology*
Gawryluk, Ryan; Biochemistry*
Gero, Shane; Biology
Glister, Jacqueline; Physics*
Goossen, Jonathan; Languages & Literature – English
Goreham, Vince; Civil Engineering*
Harbin, Ami; Philosophy*
Heiti, Warren; Philosophy*
Hesp, Kevin; Chemistry*
Hevery-Coulson Gavin; Chemistry
Hoefel, Andrew; Mathematics & Statistics*
Hutka, Adam; English
Kellett, Dawn; Earth Sciences
Kelly, Jennifer; Biology*
Klages, Peter; Physics
Lawrence, Michael; Psychology*
Lee, Benjamin; Classics*
Lundgren, Rylan; Chemistry*
Mason, Jane; Computer Science
Marx, Vanessa; Chemistry*
Mazerolle, Erin; Psychology*
McDonough, David; Political Science*
McKay, Neil, Mathematics & Statistics*
Muaror - Wilson, Jieni; Interdisciplinary PhD
Noble, Rob; Mathematics & Statistics*
Nelson, Stephanie; Physiology*
Noel, Melanie; Psychology*
Patterson, Steven; Physics*
Pelletier, Nathaniel; Interdisciplinary PhD*
Pinder, Jordan; Biochemistry*
Richards, Clark; Oceanography
Rodd, Mary; Languages & Literature – English*
Routledge, Faye; Nursing*
Rutherford, Derek; Biomedical Engineering
Ryan, Gillian; Physics
Saunders, Meghan; Oceanography
Shea, Patrick; Physics*
Smith, David; Biology*
Stanley, David; SRES
Tamblyn, Isaac; Physics
Taylor, Alexis; Chemistry*
Van DeKeere, Laurel; Interdisciplinary PhD
VanDonkelaar, Aaron; Physics*
Vautour, Bart; Languages & Literature – English*
White, Justin; Health & Human Performance
Wilson, Jeffrey; Interdisciplinary PhD*
Zemlak, Tyler; Biology
Killam Postdoctoral Fellows

New Fellows
Cann, Kendra; Pathology
Bestley, Sophie; Biological Sciences
Mason, Travis; Languages & Literature: English
Stoddart, Mark; Sociology & Social Anthropology

Renewal Fellows
Coffman, Peter; History
Foroud, Afra; Psychology
Ronconi, Robert; Biology
Varley, Emma; Bioethics
Veinotte, Linnea; Microbiology

Faculty of Science Killam Professors
Boudreau, Bernie; Oceanography
Lewis, Marlon; Oceanography
Moore, Chris; Psychology
Scheibling, Robert; Biological Sciences
Scott, David; Earth Sciences
Stewart, Sherry; Psychology
Wentzell, Peter; Chemistry

Faculty of Science Killam Prize
Bielawski, Joseph; Biology and Mathematics & Statistics

Killam Chairs
Alda, Martin; Mood Disorders
Becke, Axel; Chemistry
Chen, David; Engineering
Cullen, John; Oceanography
Milios, Evangelos; Computer Science
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
Sinnreich, Michael
Zatorre, Robert

Killam Prize

Herbert-Blouin, Marie Noelle
Killam Professor
Pike, Bruce

Dorothy J. Killam Professor

Milner, Brenda

Killam Chair