



THE KILLAM TRUSTS

**ANNUAL
REPORT
2000**

*Published by the
Trustees of the Killam Trusts*

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 4,000 scholarships 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 Medicine, Science and Engineering; they are 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 become 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.

Notwithstanding 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.

THE KILLAM TRUSTS

2000 ANNUAL REPORT OF THE KILLAM TRUSTEES



The heart and soul of the Killam Program are the Killam Scholarships. They are awarded to the leading pre-doctoral and post-doctoral candidates at the five “Killam” universities – The University of British Columbia, University of Alberta, The University of Calgary, Montreal Neurological Institute at McGill University, and Dalhousie University. Killam Scholarships are also awarded by the Canada Council for the Arts; these take the form of Killam Research Fellowships for professors in mid-career, and scholars from all Canadian universities are eligible to apply.

Although the Scholarship Program is the centrepiece, the Killam Trusts also pay for Killam Chairs at three of the universities (U of A, U of C and Dalhousie); for professors’ salaries at those universities and at UBC; and for general university purposes at all five universities, including the MNI. In addition, Mrs. Killam gave substantial gifts during her lifetime to the Canada Council and Dalhousie; these funds are sometimes known as the “Anonymous Donor’s Funds”, in accordance with Mrs. Killam’s wishes that she not be identified with them during her lifetime. These latter gifts were explicitly in support of scholars in the fields of Medicine, Science and Engineering; and it is from these that the Council awards the Killam Prizes in those fields, to be worth \$100,000 each, tax free, from 2001. Dalhousie uses its Anonymous Donor’s Fund to provide scholarships to students in the same three fields.

With all these supremely important calls on their Killam Trusts, how have the “Killam Institutions” done up to now, financially? And what can be done to ensure, insofar as possible, that in future the funds will grow sufficiently to at least keep pace with inflation?

These are questions the Trustees continually keep before them, and we thought you might be interested if we shared some of our reflections with you.



Mrs. Killam’s testamentary gifts amounted to some \$72 million. As for the Anonymous Donor’s Funds, the original gift (in the form of second preferred shares in a company called “Canelco Services Limited”) came to some \$8.7 million, augmented in the mid 1980s by approximately another \$18 million worth of common shares. Finally, from the beginning until the late 1980s, the Trustees have distributed a further \$3 million or so from centrally administered funds to augment the original testamentary gifts. All in all, then, the aggregate amount of the Killam gifts amounted to slightly over \$100 million.

As of this year, the market value of those gifts in the hands of the six “Killam institutions” is \$387 million, not including relatively small amounts of unspent income in the hands of the Institutions. Growth in the Killam Funds, therefore, has amounted to some \$287 million since their inception.

The Trustees have done some calculations to see whether, at this pace of growth, the Killam Trusts have indeed kept up with inflation. The result?

In answer to this question, there is (as the jokester’s formula goes) both good news and bad news. The bad news is that the

Trusts have not, in fact, kept up with inflation. But the good news is that they are not far off, and moreover they have been catching up steadily over the past few years. And, with the Killam institutions now able to invest more effectively in accordance with the “total return” concept (see the Trustees’ Annual Report for 1999), it should be possible to close the gap in a few more years – always supposing we are not faced with a prolonged downturn in the securities markets.

Admittedly, these calculations are frustratingly difficult to make, and absolute accuracy is absolutely impossible. The reasons are two-fold:

- The testamentary gifts were not paid out all at once, but over a number of years. In our calculations we have taken rough account of these timing differences, but have not even tried for precision.
- Calculations regarding the lifetime gifts are even more complex. The preferred shares given in 1963 were redeemed unevenly over the following 20 years; again we have not aimed at precision in calculating timing differences. As for the \$18,000,000 worth of common shares redeemed in the 1980s, we have simply included their value in the calculation for the period from 1985 to date.

What is the numerical result of all these calculations? If the Killam Trusts had kept pace with inflation from the beginning, they would today be worth \$450 million instead of \$387 million. What would it take to close the gap? The currently approved annual rate of expenditure from the Killam Trusts is 5% of the market value of the Trusts averaged over the three preceding years, plus fund expenses of about one-half of one percent. Assuming overall returns cover

inflation, plus 5% growth above that, with enough left over to cover annual expenditures, then the gap would be closed by 2004, only four years from now.

It is true that in the past couple of years the Killam Trusts have achieved that 5% growth rate, after annual spending and after inflation. But to achieve this 5% “excess growth” indefinitely would be a tall order indeed. We certainly cannot bank on it, or anything like it. After all, historically there has been no “excess growth” at all, after inflation plus 5% annual expenditures; that is the basis on which the 5% spending level was set by the Trustees, in consultation with the Killam institutions, in the first place.

So a much more realistic hope would be to achieve “excess growth” of, say, 1% or 2% above inflation plus annual expenditures. At that rate, the gap is not closed until 2015 (1%) or 2008 (2%). And that, the Trustees firmly believe, is a target well within range.

If, however, we could actually achieve a 5% “excess growth” rate on a sustained basis, added to (say) 3% to cover inflation, that would see the market value of the fund double in nine years, to \$775 million – and reach \$1 billion just over three years later, in 2012. Is that not a worthy goal for all to strive for?



Well, the foregoing discussion ought to shed some light on the preoccupations of the Trustees. But what else, you might reasonably ask, do they do?

Under Mrs. Killam’s Will, the Trustees have what may be called an “oversight” responsibility. We are charged to see

that the Killam Institutions adhere to the terms of the Will. This task resolves itself into two parts: financial oversight, and program oversight.

As for finances, we review and approve the budgets prepared each year by university and Canada Council officials. We then monitor their expenditures during the year, and after the fiscal year end we receive, review and approve their annual Killam financial statements.

On the program side, the Trustees serve as members of each institution's Killam Scholarship Committee – in her Will, Mrs. Killam stipulated this specifically. We therefore monitor Committee proceedings to ensure that they are fair, and also that the candidates are indeed the top scholars at the Killam universities. In the case of the Canada Council, we encourage those in charge to take all steps necessary to ensure that the best candidates from across Canada apply for the Killam Research Fellowships and Prizes.

Also on the program side, we monitor the procedures for selecting Killam Chair holders and approve their final selection, as stipulated in the Will. We similarly keep an eye on the Killam Salary Funds to ensure they are laid out only in support of full time professors, and only in fields other than the “arts” as defined in the *Canada Council Act* (generally, the representational and performing arts, and *belles lettres*); these stipulations are likewise set out in Mrs. Killam's Will.

(We note that parenthetically that sometimes a problem from outside the Killam orbit presents itself. This year, the Trustees and the academics had to consider any adverse effects the new Canada Research Chairs Program (CRCP) might have on the Killam Programs. This was a “good” problem, since under the CRCP the federal government will pay for 2,000 new chairs at Canadian universities. We concluded there

would be no conflict with the universities' Killam Scholarship Programs; they relate only to pre-doctoral and post-doctoral scholars, whereas the CRCP relates only to professors. Nor is there a conflict with Killam Chairs Programs at the universities; they and the CRCP complement each other. Even at the Canada Council, where the Killam Research Fellowships are awarded to professors rather than students, there is no conflict. The KRF's will still be highly sought after, since they provide for release time from teaching and administrative duties, while the CRCPs do not.)

The Trustees' monitoring work is carried out mainly through meetings with university and Council officials held twice a year, in April and again in October/November. Of course many questions regarding details arise during the rest of the year; these we deal with through correspondence or by conference call.

Then, at the end of the "fall tour", we hold a Killam Annual Conference with the Deans of Graduate Studies of the Killam universities, the Director of Endowments and Prizes at the Canada Council, and the Director of the MNI. We hold this meeting on the occasion of the Annual Conference of the Canadian Association for Graduate Studies (CAGS), and find it to be of great value to us as Trustees (and, we hope, to the Deans) in exchanging ideas and information regarding the Killam Programs at each of the six institutions.

The Trustees retain a central fund, as required by the Will, out of which they meet the expenses for these meetings and other activities. In this way, all of the income from the Killam Trusts held by the institutions can be devoted exclusively to the scholarly purposes Mrs. Killam wished to benefit.

The Trustees believe that all the Killam institutions have run their Killam Programs to the highest standards, with the need

for intervention by the Trustees arising only rarely. Experience has shown that the original scheme as laid down by the Will, carefully drafted by the late Donald N. Byers, Q.C., is both clear in its general purposes and flexible in its application, and thus extraordinarily adaptable to modern university requirements. For this very smooth performance, we have to thank most warmly all the finance and program administrators at all six institutions.



In this Annual Report, as in previous years, we have, naturally, written about the Killam Trusts – what they are, how they came to be, and how they might develop in future. But there is a little-known story about another extraordinary piece of good work done with Killam money, albeit unintentionally as far as the Killams are concerned. That is the story of how the Canada Council came to be.

Izaak Walton Killam died unexpectedly in 1955, while at his fishing lodge on the Cascapedia River in Quebec. He died without a Will, leaving an estate worth some \$100 million. Estate duties in those days were set at 50% – capital gains taxation did not exist – and consequently the federal government received a cheque for \$50 million.

Now it so happened that Sir James Dunn, another wealthy financier and businessman, also from the Maritimes, died that same year. He too was worth \$100 million, and his estate also paid half this sum into Revenue Canada's coffers.

So the government of the day suddenly found itself with a \$100 million windfall. They were about to let this tidy sum simply fall into the Consolidated Revenue Fund when Jack Pickersgill, then Principal Assistant to Prime Minister Louis

St. Laurent, came up with a better idea. Vincent Massey (later Governor General) had recently led a Royal Commission recommending the establishment of an Arts Council to assist Canadian artists, writers, sculptors, dancers and musicians and their artistic organizations. Why not, said Pickersgill, use the Killam and Dunn money to establish the Canada Council?

The Prime Minister was won over, and so it came to pass.

Let us hope that some far seeing government official might in a future day perform such an inspired feat!



This year's Killam Annual Lecture was given by *Professor J. Robert S. Prichard*, immediate past President of the University of Toronto and now a Visiting Professor at Harvard University . The Lecture was both a brilliant *tour d'horizon* of Canada's research landscape and a call to arms for the future of this vital university-based activity on which, it is not too much to say, Canada's economic and intellectual future rests.

You can get a copy of Prof. Prichard's Lecture by writing to Christine Dickinson, Administrative Officer of the Killam Trusts, at the address on the outside back cover of this Report. She can also supply copies of the five previous Killam Annual Lectures, which you can also find (along with Dr. Prichard's Lecture) at our Killam website: www.dal.ca/killamtrusts.



This year Her Excellency the Right Honourable Adrienne Clarkson, Governor General of Canada, presented the Canada Council's Killam Prizes in Medicine, Science and Engineering to four distinguished Canadians (see the section of this

Report on the Canada Council for details). We are most grateful to Her Excellency for bestowing these Prizes, which are Canada's most distinguished awards in these fields.

We are also once again deeply grateful to The Bank of Nova Scotia for sponsoring a Dinner following the awards ceremony, and for advertising the winners in national, provincial and local newspapers across the land. As a consequence of the Bank's support, the Council saves the cost and thus has more to spend on its Scholarship and Prize Programs.



Now, a more detailed discussion of Killam comings and goings at each "Killam institution" over the past year.

DALHOUSIE UNIVERSITY

Dalhousie's Killam Trusts enable the University to maintain seven Killam Programs and Awards:

- Killam Memorial Scholarships at the Masters and Doctoral level;
- Killam Memorial Fellowships at the Post-Doctoral level;
- Killam Memorial Professorships (Killam Chairs);
- Assistance to the general scholarship allocations of Departments, for students at the Masters and Doctoral level;
- Dorothy J. Killam Memorial Lecture Series;
- Faculty of Science Killam Prize;
- Faculty of Science Killam Professorships.

As was the case last year, the Killam Scholarship competition in 2000 was extremely successful. The Committee made new awards to 38 first year students, with 51 others receiving renewals. The large number of awards was once again due to the success of Dalhousie students in obtaining external support: of the 89 Killam scholars on stipend this year, 40 hold external awards, including 38 NSERC and SSHRC awards. For those unfamiliar with the terms, "NSERC" stands for the Natural Science and Engineering Research Council of Canada, and "SSHRC" refers to the Social Sciences and Humanities Research Council of Canada.

External awards are particularly valuable to the University, because they bring outside funding into the winner's faculties.

Those winners who also meet Killam standards receive “top ups” to bring their external stipend up to the Killam level. They are then designated as “Honorary Killam Scholars”. In this, Dalhousie follows the same practice as at the other Killam universities, except the MNI, where the Killam Program operates on a different basis.

For the current year, Dalhousie awarded seven new Killam Post-Doctoral Fellowships, including two honorary awards to holders of SSHRC Post-Doctoral Fellowships. In addition, five fellowships were renewed for a second year. As at the other Killam universities, these Post-Doctoral Fellowships are open only to scholars coming to Dalhousie from elsewhere. This year, only three of Dalhousie’s 12 PDF’s on stipend come from Canadian universities. The other nine hail from places as diverse as the St. Petersburg State Marine Technical University, J.W. Goethe University, Oxford University and the Australian National University.

Dalhousie now sponsors five Killam Chairs, of which four are filled: *Dr. Mary Anne White*, Materials Science; *Dr. Ian Meinertzhagen*, Neuroscience; *Dr. Ransom Myers*, Ocean Studies; and *Dr. Rafiqul Islam*, Petroleum Engineering. A search is currently under way for a Killam Chairholder in Business Informatics.

The Anonymous Donor’s Fund, discussed earlier in this Report, provides to Dalhousie a stream of annual income that is quite unique among the Killam universities. This year, the Fund has helped 227 Canadian students in 36 different Departments.

The 2000 Dorothy J. Killam Memorial Lecture Series, “One Globe/Many Worlds”, offered the perspective of three distinguished writers in an effort to capture the paradoxes and tensions present in the global trends that are shaping our

world. *His Excellency the Right Honourable John Ralston Saul* gave the first lecture to a packed house of about 1,000 at Dalhousie's Rebecca Cohn Auditorium; it was entitled "Democracy and Globalization: Friends and Enemies". *Neil Bissoondath* spoke a week later on "Writing Without Borders: the Role of the Creative Artist in a Global Community". *Caren Kaplan*, Chair of Women's Studies at the University of California at Berkeley, gave the final lecture, entitled "Worlding Culture: Transitional Feminist Cultural Studies in an Era of Globalization".

The Faculty of Science Killam Prize is awarded annually to a promising scientist who has obtained a doctorate degree within the preceding 11 years. This year's recipient is *Dr. Sara Iverson*, Biology.

The Faculty of Science Killam Professorships, funded by the Killam Salary Fund at Dalhousie, are awarded for a term of five years to up to 10 professors who have made outstanding research contributions in the sciences. The list of this year's winners is given at the end of this Report.



**MONTREAL NEUROLOGICAL INSTITUTE,
MCGILL UNIVERSITY**

Uniquely among the Killam institutions, the MNI over the years has used the income from its Killam trusts to bring in many times that amount.

To see just how valuable these Killam funds are to the academic life of the Institute, one need only reflect on the fact that scientists who received Killam support of some \$640,000 this year brought into the MNI an additional \$365,000 in extramural salary support and \$2,200,000 in extramural re-

search support, mainly from the MRC (Medical Research Council of Canada) and its Quebec counterpart, the FRSQ.

The Killam Trusts continue to be very visible within the Institute. The weekly MNI/Killam Research Seminars in Neuroscience remain a premier series, which this year hosted 26 internationally recognized scientists and clinicians from across North America and Europe.

The Institute continues to award an Annual Killam Prize for the best neuroscience research presentation by a research or clinical trainee.

The excellence and international stature of the Killam Scholars at the MNI was recognized during the past year by numerous distinctions, and by invitations to speak at leading institutions around the world. At the risk of unintentionally slighting the other eight eminent Killam Scholars at the MNI, we will mention only three:-

- *Dr. George Karpati* received an award from the Canada Foundation for Innovation (CFI) to create a new Gene Vector Centre at the MNI;
- *Dr. Heather Durham* chairs the Biological and Chemical Review Committee of Canada (Department of National Defence), and is a member of the Scientific Advisory Committee for the Muscular Dystrophy Association (USA) and holds a grant from the Amyotrophic Lateral Sclerosis Society (USA);
- *Dr. Brenda Milner* was awarded an honorary degree from Cambridge University, and received many invitations to speak at seminars and symposia around the world.



THE CANADA COUNCIL FOR THE ARTS

The Canada Council administers two separate Killam Programs: The Killam Research Fellowship Program, and the Killam Prize Program.

This year, available funds permitted the Council to award 16 new Killam Research Fellowships, up from 14 last year and 13 the year before. The Council expects it will be able to increase this further in future competitions.

Those selected as KRF's this year were chosen from among 110 applications from professors at 25 universities. This represents an increase from the 86 applications last year. To help evaluate these, the Council has set a goal of obtaining at least three referee and three assessor evaluations, including at least one international evaluator, for each applicant's file. As noted in last year's Report, "assessor fatigue" still creates difficulties in locating willing assessors for some files and in some disciplines. Unfortunately, it is a problem to which no ready solution seems to be at hand.

The Council's other Killam Program is of course the adjudication of the Killam Prizes in Medicine, Science and Engineering. The Prizes, this year worth \$75,000, are among Canada's most prestigious in these fields. The amount of the Prize is to be increased to \$100,000 from 2001 onwards. Candidates may not apply for the Prize, but must be nominated. Normally, seven or eight nominations are received in each of the three Prize categories.

This year, exceptionally, the Council's Killam Scholarship Selection Committee decided to honour four scholars, since the top nominees in the Natural Sciences were *ex aequo*. The Prize winners this year were:

- *Dr. Tony Pawson*, of the Samuel Lunenfeld Research Institute, Mount Sinai Hospital, University of Toronto, Medicine;
- *Dr. Paul Brumer*, Department of Chemistry, University of Toronto, Natural Sciences;
- *Dr. Fergus I.M. Craik*, Department of Psychology, University of Toronto, Natural Sciences;
- *Dr. John J. Jonas*, Department of Metallurgical Engineering, McGill University, Engineering.

The Killam Prizes were awarded at a celebratory Dinner at the National Gallery of Canada in Ottawa on May 9. As noted above, the Governor General presented the Prizes, and also spoke to the gathering. Approximately 190 leaders in university, business, scientific, arts and government circles attended the Dinner, in addition to colleagues and family members of the distinguished Prize winners.



THE UNIVERSITY OF CALGARY

The U of C uses its Killam resources to sponsor five Killam Programs:

- The Killam Memorial Scholarship Program, which provides pre-doctoral and post-doctoral scholarships;
- Killam Memorial Chairs;
- Killam Resident Fellows;
- Killam Visiting Scholars;
- The Donald N. Byers Memorial Killam Prize.

In the Killam Pre-Doctoral Scholarship Program, five new full scholarships were awarded this year, valued at \$20,100 each. To this were added nine new Killam Honorary Scholarships, whose winners received “top ups” to their external scholarships (such as NSERCs, SSHRCs and MRCs) to bring the awards up to the Killam level.

These scholars join 11 Killam Scholars in their second year, five of them “full” scholars and six “honorary”.

The Killam Scholars at the U of C are pursuing research topics as diverse as a morphological study of proto planetary nebulae with the use of the Hubbell space telescope; the genetic relationships and dispersals in continuous packs of wolf *Canis lupus* in the Slave Geological Province, North West Territories; and prairie (particularly Alberta) literature.

One Killam Post-Doctoral Fellow, *Dr. Geoffrey Fraser*, was elected this year. Dr. Fraser holds his Fellowship in the Department of Geology and Geophysics, having completed his PhD in 1997 at the Australian National University. Through his research Dr. Fraser hopes to improve the geological interpretation of measured ages from metamorphic rocks, which has the potential to be one of the most important fundamental studies in the field of geochronology (age dating of rocks). This in turn could have far reaching implications for all studies concerned with dating geological events.

Dr. Nigel Shrive and *Dr. Roy Gravel* continue to hold Killam Chairs at the U of C.

The U of C awarded five Killam Resident Fellowships for the period from September 1 to December 31. During tenure, Fellows are freed of teaching and administrative responsibilities, giving them the opportunity to complete research or writing that requires a short burst of intensive effort. Four

more Killam Resident Fellows will take up their posts in the winter term, commencing January 1, 2001.

Under the Killam Visiting Scholars Program, the U of C brings in distinguished scholars who “will make a significant contribution to the academic life of the University, by their presence and by participation in research and teaching”. The awards carry an honorarium of \$20,000 plus a travel and research allowance of \$3,000. At present, the University has two Killam Visiting Scholars on stipend:

- *Professor Yngve G. Lithman*, Director, Research Institute on International Migration and Ethnic Relations, University of Bergen, Norway. Dr. Lithman intends to draw upon his long experience with Canadian First Nations groups in a study of renewable natural resources. He will also continue his research on globalization and hybridized youth cultures, as well as his core specialization, ethnic and race relations.
- *Dr. Thomas R. Defler*, of the Instituto Amazonico de Investigaciones, Universidad Nacional de Colombia, Sede Leticia. Dr. Defler’s long time work in ecology and conservation will bring great opportunities to researchers in environmental sciences and biology.

This year the Donald N. Byers Memorial Killam Prize, a \$500 award made each year to the Killam Scholar who has written the best research proposal, was awarded to *Aboalmagd Noureldin*. Mr. Noureldin’s name was chosen at random, on the theory that all the Killam Scholars this year had equally impressive applications. But Mr. Noureldin did not escape without being put to the test. Following the U of C’s longstanding tradition of injecting a little fun into the presentation ceremony for the Byers Prize, Mr. Noureldin had to claw his way up to the \$500 level by answering skill testing

questions, all in the style (including the format and visual pyrotechnics) of “Who Wants to be a Millionaire”. Mercifully, the questions were not the usual puffballs thrown out by Regis Philbin in the TV original - which are so easy that all of us are just as likely to blow the answer - but instead were sufficiently difficult and complex that a Killam Scholar could readily handle them!



UNIVERSITY OF ALBERTA

The U of A has recently produced a most useful booklet. Entitled “Killam Trusts Reference Manual”, it gives chapter and verse for all aspects of the administration of each of the four Killam Trusts at the U of A. Details include committee membership lists, by name and by position within the University; resource personnel; terms of reference for each committee; schedules of meetings; and extracts from Mrs. Killam’s Will, which of course forms the basis for each of the Killam Programs under administration at the U of A. The Trustees have found over the years that the institutional memory within each of the Killam institutions tends to fade over time, as committee members retire and give place to new colleagues unfamiliar with the background or the details. We encourage all of the Killam Institutions to prepare their own Killam Reference Manuals; we are convinced that this will save all of us – institutions and Trustees alike – much unnecessary bother in monitoring the administration of the Killam Programs in the years to come.

The U of A’s Graduate Scholarship Committee reviewed 104 applications for doctoral scholarships this year, awarding 20 new Killam Scholarships – an all-time high at the U of A – 11 to Canadians and the balance to permanent residents and

student visitors. They join 14 renewal scholars, four of whom are Honorary Killams.

In the Killam Post-Doctoral Fellowship competition, the University received a total of 61 applications. Seven new Fellowships (two Honorary) were awarded, also an all-time high. The new post-doctoral Killam Fellows, when combined with the four renewal Fellowships, result in a total of 11 Killam Post Doctoral Fellows now on stipend at the U of A.

Following the practice of previous years – which UBC and the U of C also follow – this year’s new crop of Killam Pre-Doctoral and Post-Doctoral Scholars gave a short statement about their research at the Fall Dinner held in their honour at the University Club. This year, however, the U of A held in addition a Luncheon to honour the University’s eight Killam Annual Professors, who similarly made short presentations regarding their research. Killam Annual Professorships are awarded to full time faculty in recognition of their distinguished scholarship and contributions to the community. Financial support for this Program is provided by the Killam Salary Fund and the Killam General Endowment Fund at the U of A.

Dr. Valery Frolov of the Department of Physics and *Dr. David Schindler* of the Department of Biological Sciences continue as the U of A’s Killam Chairholders. Dr. Schindler is one of three finalists for the Gerhard Herzberg Gold Medal, awarded by the Natural Sciences and Engineering Research Council of Canada, and with it \$1,000,000 in research funding to be spread over five years. The prize is named in honor of the late Dr. Gerhard Herzberg, winner of Canada’s first Nobel Prize in Chemistry. We wish Dr. Schindler well in this distinguished competition.



THE UNIVERSITY OF BRITISH COLUMBIA

UBC's Killam Advanced Studies Fund this year funded 34 new Pre-Doctoral Fellowships and 29 renewals. Of the total, 26 are Honorary Killams (15 new and 11 renewals).

Killam Post-Doctoral Fellowships at UBC were awarded to 17 new scholars from other universities; they join 13 continuing Fellows from previous competitions.

At UBC, as at most other Killam universities, the Killam Scholars receive an allowance for travel for research, in addition to their scholarship stipend. Pre-Doctoral Fellows receive a maximum of \$1,500 and Post-Doctoral Fellows \$3,000 over the two year term of the award.

The Killam General Endowment Fund supports UBC's Killam Faculty Research Prizes and its Killam Faculty Teaching Prizes, which are adjudicated by the various disciplinary faculties across campus through rigorous competitions. During the current year, ten scholars were awarded Killam Faculty Research Prizes, valued at \$5,000 each, and seven were awarded Killam Faculty Research Fellowships. The Fellowships are valued at \$15,000, and carry with them a \$3,000 research and travel allowance.

UBC's Killam General Endowment Fund also supports start up and bridge funding for a diverse set of program innovations in learning, research and other scholarly activities within the University's vision document called "Trek 2000" and its academic plan.

The Killam Salary Fund at UBC helps the University meet two important objectives: to provide bridging for the "retire-

ment bulge" now underway, and to help alleviate the "brain drain" especially among younger faculty. UBC is also unique in using this Fund as a way of experimenting with new academic initiatives, getting them up and running before they find permanent support within the University budget.



This year saw the departure of two Killam leaders, *Dr. Richard Murphy*, Director of the MNI and *Dr. Peter Ricketts*, Dean of Graduate Studies at Dalhousie.

Rich Murphy is an eminent scholar and academic administrator. Lured from Harvard to the U of A, he spent six years there conducting research in his field of Neuroscience until his appointment as Director of the MNI in 1992. He departed this October to take up the post of President and CEO of the prestigious Salk Institute for Biological Studies in La Jolla, California.

For the overall Killam Program, however, Rich was far more than simply a superb administrator and fundraiser at the MNI. Many times the Trustees sought his counsel – on establishing the Killam Annual Lecture Series, on inaugurating the Killam Prize Awards Dinner, on nudging governments toward loosening the purse strings in favour of research, to name only a few projects. Rich and his wife Elaine were always willing to lend a hand – and what fun they are!

Dr. Donald Baxter, former Director of the MNI and Rich's immediate predecessor, has stepped out of retirement and into the position of Interim Director while the search for a permanent replacement for Rich goes forward. As an old "Killam hand", we warmly welcome Don back to the wheelhouse.

Dr. Peter Ricketts stepped down in July as Dalhousie's Dean of Graduate Studies to take up the post of Vice President, Academic at the University College of the Okanagan. This post we also understand to be of an interim nature, and we therefore hope to see Peter back at Dalhousie in the near future. In the meantime, as with the MNI, we wish to thank Peter warmly for his outstanding contribution to Dalhousie's Killam Program, and to say how pleased we are to note that the University will have the benefit of a seasoned Killam

veteran, *Dr. John Rutherford*, at the Killam helm as Acting Dean of Graduate Studies.



In closing, we Trustees wish to acknowledge just how essential are the efforts of literally hundreds of faculty members at all the Killam institutions, in their work as adjudicators of the Killam Scholarships, Fellowships and Prizes. This work is voluntary and unpaid, and without them the Killam Programs would simply not be possible. The Trustees are deeply grateful to all, past and present, who serve or have served on these committees.

To all members of the “Killam Family of Scholars” the Trustees say *thank you* for all you have done to realize the vision of Izaak Walton Killam and Dorothy Johnston Killam over the past year. Best wishes for the holidays and the new year!



John H. Matthews
W. Robert Wyman
M. Ann McCaig
George T.H. Cooper, Managing Trustee

Trustees of the Killam Trusts

Halifax, Nova Scotia
November, 2000

KILLAM AWARD WINNERS

2000

LISTED BY INSTITUTION

UNIVERSITY OF ALBERTA

Killam Predoctoral Scholars

New Scholars

Abbott, Marilyn; Educational Psychology
Anisca, Razvan; Mathematical Sciences
Aporta, Claudio; Anthropology
Baxter, Christopher; Civil and Environmental Engineering
Elkateb, Tamer Mohamed; Civil and Environmental Engineering
Healy, Daniel; Civil and Environmental Engineering
Huang, Rong; Mathematical Sciences
Karsten, Irene; Human Ecology
Klein, Jennifer; Rehabilitation Medicine
Leblanc, Sylvie; Anthropology
Litowski, Jennifer; Biochemistry
McAdam, Andrew; Biological Sciences
Naidoo, Robin; Biological Sciences
Ronacher, Elisabeth; Earth and Atmospheric Sciences
Spokiene, Diana; Modern Languages and Cultural Studies
Tan, Hwee-Cheng; Business-PhD
White, Gerald; Comparative Literature, Religious and Film/Media Studies
Wohlleben, Trudy; Earth and Atmospheric Sciences
Xenopoulos, Marguerite; Biological Sciences
Zayarnyuk, Andriy; History and Classics

Renewal Scholars

Choboter, Paul; Mathematical Sciences
Coltart, Don; Chemistry
Garneau, Sylvie; Chemistry**
Hilderman, Trevor; Mechanical Engineering

** 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.

Jack, Katharine; Anthropology
Johnson, Matthew; Mechanical Engineering
Kanuka, Heather; Educational Policy Studies**
Keyghobadi, Nusha; Biological Sciences
Lin, Zhong; Comparative Literature, Religion and Film/Media Studies
Nieguth, Tim; Political Science
Rubinoff, Kailan; Music**
Suddaby, Roy; Business - PhD
Thormann, Markus; Biological Sciences
Todd, Christopher; Biological Sciences**

Killam Postdoctoral Fellows

New Fellows

Cerda-Reverter, Jose; Biological Sciences
Chen, Yuming; Mathematical Sciences
Cunningham, Richard; English**
Maciszewski, Amelia; Music
MacPherson, Sonia; Secondary Education
Simpson, Christy; Educational Psychology
Willows, Noreen; Agricultural, Food and Nutrition Sciences**

Renewal Fellows

Black, Fiona; Comparative Literature, Religion and Film/Media Studies
Dickinson, Jennifer; Modern Languages and Cultural Studies
Matter, Stephen; Biological Sciences
Simons, Karen; English

Killam Annual Professors

Cowie, Martin; Chemistry
Gray, Murray; Chemical and Materials Engineering
Hannon, Susan; Biological Sciences
Northcott, Herbert; Sociology
Pilarski, Linda; Oncology
Sego, David; Civil and Environmental Engineering
Sobsey, Dick; Educational Psychology
Taylor, Diane; Medical Microbiology and Immunology

Killam Chairholders

Frolov, Valery; Physics
Schindler, David; Biological Sciences

THE UNIVERSITY OF BRITISH COLUMBIA

Killam Predoctoral Scholars

New Scholars

Ashworth, Laurence; Commerce
Barnes, Steven; Psychology**
Baross-Francis, Agnes; Genetics Graduate Program**
Bouffard, Sylvie; Metals and Materials Engineering
Brashares, Justin; Forestry
Cheng, Benjamin; Medical Genetics**
Coelli, Michael; Economics
Cooper, Barry; Psychology**
Cooper, Karen; Comparative Literature
Daniel, Chris; Civil Engineering
De Wekker, Stephan; Earth and Ocean Sciences
DiMaio, Simon; Electrical and Computer Engineering
Du, Yaxiong; Music
Farish, Matthew; Geography**
Fudge, Douglas; Zoology
Gessner, Suzanne; Linguistics**
Grant, Nathalie; French, Hispanic and Italian Studies**
Hahn, Mari; Music
Heath, Katherine; Health Care and Epidemiology
Martin, Adam; Political Science
Newman, Shelley; English**
Osinubi, Taiwo Adetunji; Comparative Literature
Pospisilik, John; Physiology**
Pot, Isabelle; Biochemistry and Molecular Biology**
Ryder, Andrew; Psychology**
Schleicher, Christoph; Economics
Senbel, Maged; Community and Regional Planning
Sun, Wan; Economics
Todgham, Anne; Animal Science**
Vouloumanos, Athena; Neuroscience**
Wanner, Kevin; Plant Science
Webster, David; History
Yong, Paul; Zoology**

Renewal Scholars

Archibald, Diane; Interdisciplinary Studies
Brodsky, Alex; Computer Science**
Browne, Annette; Nursing**
Caille, Sebastien; Chemistry**
Chapman, Valerie; Educational Studies
Conway, Lucian; Psychology
Crowley, Christine; Pharmacology and Therapeutics**

Eckert, Heather; Economics
Elaschuk, Cory; Educational Psychology and Special Education
Erol, Berna; Electrical and Computer Engineering**
Fabry, Mikulas; Political Science
Gillon, Carrie; Linguistics
Hinke, Simon; Physiology**
Holmes, Mark; Mathematics
Humphreys, Elyn; Soil Science**
Isaac, Barbara; Educational Studies**
Jeffery, Christopher; Geography
Karnizova, Lilia; Economics
Kienast, Markus; Earth and Ocean Sciences
Linds, Warren; Language Education
Loucks, Scott; Pharmaceutical Sciences
Lynn, Francis; Physiology**
Mountz, Alison; Geography
Nelson, Max; Classical Studies
O'Connell, Lisa; Forestry
Pufahl, Peir; Earth and Ocean Sciences
Rundle, Howard; Zoology
Vasudevan, Alexander; Geography**
Verdier, Genevieve; Economics**

Killam Postdoctoral Fellows

New Fellows

Allen-McManus, Christine; Pharmaceutical Sciences**
Awadalla, Philip; Zoology**
Billings, Stephen; Earth and Ocean Sciences
Cohen, Jonathan; Philosophy
D'Angiulli, Amedeo; Educational and Counselling Psychology
and Special Education**
Deo, Urmila; Chemistry
DeRoo, Rebecca; Fine Arts
Dhakai, Amod; Forest Resources Management
Evasdottir, Erika; Women's Studies and Gender Relations
Kabin, Konstantin; Chemistry
Mahtani, Minelle; Geography
Narine, Shaun; International Relations
Patterson-Kane, Emily; Agricultural Sciences
Pedroni, Luigi; Classical, Near Eastern and Religious Studies
Plesner, Annette; Pathology and Laboratory Medicine
Soto-Faraco, Salvador; Psychology
Vallance, Bruce; Biotechnology Laboratory**

Renewal Fellows

Andersen, Denise; Chemistry**
Benzaquen, Adriana; History**
Brumell, John; Biotechnology Laboratory**

Iskin, Ruth; Fine Arts
Leung, Helen; Asian Studies
Noble, Brian; Anthropology and Sociology**
Sandercock, Brett; Forest Sciences
Zanette, Liana; Zoology

Killam Faculty Research Fellows

Beaudry, Paul; Economics
Dipple, Gregory; Earth and Ocean Sciences
Grant, Isabel; Law
Heckman, Nancy; Statistics
Hinch, Scott; Forest Sciences
Kossentini, Faouzi; Electrical and Computer Engineering
Richardson, Alan; Philosophy

Killam Faculty Research Prize Winners

Beaudry, Paul; Economics
Bonn, Doug; Physics and Astronomy
Dawson, Anthony; English
de Silva, Clarence; Mechanical Engineering
Evans, Robert; Economics
Feltham, Gerald; Commerce and Business
Jackson, Robert; Political Science
Schrader, John; Medicine
Sherman, John; Chemistry
Stamp, Philip; Physics and Astronomy

Killam Teaching Prize Winners

Bernhardt, Barbara; Audiology and Speech Sciences
Burgess, Michael; Medical Genetics
Canuto, Luisa; French, Hispanic and Italian Studies
Chapman, Marilyn; Language and Literacy Education
Craig, Kenneth; Psychology
Edinger; Liz; Law
Ensom, Mary; Pharmaceutical Sciences
Farr Darling, Linda; Curriculum Studies
Head, Keith; Commerce
Herring, Geoffrey; Chemistry
Hinch, Scott; Forest Sciences
Kelly, Niamh; Pathology and Laboratory Medicine
Kemple, Thomas; Anthropology and Sociology
Loeffler, Peter; Theatre, Film and Creative Writing
Loewen, Philip; Mathematics
Mcdonald, Robert; History
Novocelskii, Serguei; Mathematics
Overmyer, Daniel; Asian Studies
Putnins, Edward; Oral, Biological and Medical Sciences

Seal, Andrew; Surgery
Smith, Kevin; Chemical Engineering
Soudack, Avrum; Electrical and Computer Engineering

THE UNIVERSITY OF CALGARY

Killam Predoctoral Scholars

New Scholars

Bergen, David; Religious Studies**
Bisson, Sabine; Biochemistry and Molecular Biology**
Ceci, Christine; Nursing
Fehr, Joy; English
Froese, Duane; Geography**
Noureldin, Aboelmagd; Electrical and Computer Engineering
Ormond, Wayne; Psychology
Radovanovic, Robert; Geomatics Engineering**
Ryan, Samuel; Geomatics Engineering**
Stasolla, Claudio; Biological Sciences**
Woolcott, Christy; Community Health Sciences**
Zajchowski, Laura; Biochemistry and Molecular Biology**
Zender, Marc; Archaeology

Renewal Scholars

Blackwell, James; Chemistry
Burroughs, Lynn; Computer Science**
Chilton, Lisa; Cardiovascular and Respiratory Sciences**
Damian, Daniela; Computer Science
Jones, Ginny; Biochemistry and Molecular Biology**
Juschka, Barbara; Educational Psychology
Lackenbauer, P. Whitney; History
Mellow, David; Philosophy**
Moorhouse-Herx, Leonie; Neuroscience**
Musiani, Marco; Environmental Design
Spasov, Miroslav; Music
Su, Yu-Ling; Physics and Astronomy

Killam Postdoctoral Fellows

Fraser, Geoffrey; Geology and Geophysics

Killam Visiting Scholars

Defler, Thomas; Zoology
Lithman, Yngve Georg; Anthropology

Killam Resident Fellows

Boschma, Geertje; Nursing
Davis, Richard; English
Francis, Douglas; History
Lupart, Judy; Educational Psychology
Murray, Robert; Linguistics
Neufeldt, Aldred; Community Rehabilitation and Disability
Nicholson, Keith; Mathematics and Statistics
Smith, Donald; History
Teskey, Campbell; Social Sciences

The Donald N. Byers Memorial Killam Prize Winner

Nourelidin, Aboelmagd; Electrical and Computer Engineering

Killam Chairholders

Gravel, Roy; Medicine and Kinesiology
Shrive, Nigel; Civil Engineering

THE CANADA COUNCIL FOR THE ARTS

Killam Research Fellows

New Fellows

Bickenbach, Jerome; Philosophy - Queen's University
Boulad-Ayoub, Josiane; Philosophy - Université du Québec à Montréal
Courville, Serge; Geography - Université Laval
Eltis, David; History - Queen's University
Guthrie, Peter; Chemistry - University of Western Ontario
Kinderman, William; Music - University of Victoria
Kwok, Sun; Physics and Astronomy - University of Calgary
Lalonde, François; Mathematics - Université du Québec à Montréal
Lever, A.B.P.; Chemistry - York University
Oleson, John; Greek and Roman Studies - University of Victoria
Perry, Steve; Biology - University of Ottawa
Ray, Arthur; History - University of British Columbia
Selvadurai, A.P.S.; Civil Engineering and Applied Mechanics - McGill University
Snieckus, Victor; Chemistry - Queen's University

Worsley, Keith; Mathematics and Statistics - McGill University
Yates, Robin; History and East Asian Studies - McGill University

Renewal Fellows

Carlberg, Raymond; Astronomy - University of Toronto
Clarkson, Stephen; Political Science - University of Toronto
Code, Lorraine; Philosophy - York University
Dufour, Jean-Marie; Econometrics, Economics and Statistics - Université de Montréal
Grace, John; Chemical and Bio-Resource Engineering - University of British Columbia
Lemire, Beverly; History - University of New Brunswick
Sutton, D. Mark; Physics - McGill University
Winnik, Mitchell; Chemistry - University of Toronto

Killam Prize Winners

Brumer, Paul; Chemistry - University of Toronto
Craik, Fergus; Psychology - University of Toronto
Jonas, John; Metallurgical Engineering - McGill University
Pawson, Tony; Molecular Biology and Cancer - Samuel Lunenfeld Research Institute, Mount Sinai Hospital, University of Toronto

DALHOUSIE UNIVERSITY

Killam Predoctoral Scholars

New Scholars

Bahr, Peter; Philosophy
Bakovic, Lidija; German
Barnett, Audrey; Oceanography
Brown, Catherine; Oceanography
Campbell, Mary Ann; Psychology
Carr, Amy; Psychology
Chen, Yu; Anatomy and Neurobiology
Clarke, Nancy; Mathematics**
D'Arcy, Ryan; Psychology**
DiStefano, Nina; Political Science
Fitzpatrick, Shannon; Chemistry**
Fu, Yaomin; Computer Science
Haeryfar, Mansour; Microbiology and Immunology**
Harley, Shelton; Biology
Kallel, Raoudha; French
Lafferty, Renee Nicole; History**
Lee, Felix; Chemistry**
Livadaru, Lucian; Physics

McMillan, Emily; Environmental Studies
Meier, Lorraine; Classics
Musgrave, Bruce; Microbiology and Immunology**
Mysko, Barbara; International Development Studies
Peng, Yiran; Physics
Pinaud, Raphael; Anatomy and Neurobiology
Robinson, Matthew; Classics
Sampson, Natalie; Human Communication Disorders
Sharma, Mukesh; Biology
Slagstad, Trond; Earth Sciences
Spinney, Heather; Chemistry**
Tan, Ernest; Pharmacology**
Tandan, Alka; Sociology and Social Anthropology
Wang, Rong; Mathematics
Wasik, Adrienne; Sociology and Social Anthropology
Webber, Jonathan; Chemical Engineering**
Wilson, Garnett; Computer Science
Woodrow, Jennifer; Philosophy
Young, June; Computer Science**
Zhang, Xuguang; Electrical and Computer Engineering

Renewal Scholars

Ban, Fuqiang; Chemistry
Barry, Shauna; English
Beauregard-Tellier, Frederic; Economics
Bejder, Lars; Biology**
Bennett, Evelyn; English**
Boehnke, Susan; Psychology**
Brown, William; Psychology
Bryce, David; Chemistry**
Butler, Beverly; Psychology**
Diamond, Eli; Classics
Dawe, Sandra; Microbiology and Immunology**
Ellery, Michael; Psychology
Emsley, Sarah; English**
Flint, John; Sociology and Social Anthropology**
Goodyear, Elizabeth; Political Science
Hancock, Jeff; Psychology**
Hetherington, Craig; Sociology and Social Anthropology
Ibhawoh, Bonny; History
Kennedy, Catherine; Chemistry**
Lancelot, Sandy; Chemistry
Lapr e, Claude; Sociology and Social Anthropology**
Lau, Ka Wai Helen; Oceanography**
Laycock, Anitra; Classics**
Liu, Xuejun; Pharmacology
MacLaren, Douglas; Chemistry**
Maddox, Kelly-Anne; French**
McCullough, Steven; English**
Mitchell, John Allan; English**

Mohammadabad, Saeed; Computer Science
Nikcevic, Irena; Anatomy and Neurobiology**
Obrovac, Marc; Physics
O'Donnell, Allyson; Biochemistry**
Ottensmeyer, Andrea; Biology**
Rendell, Luke; Biology
Richard, Julie; Community Health and Epidemiology**
Richardson, Andrew; English**
Ruyak, Margaret; Psychology
Shi, Chanjuan; Pharmacology
Shiple, Brian; History**
Sparkes, Sandra; Psychology**
St.-Maurice, Martin; Biochemistry**
Tarry, Sarah; Political Science
Tomsons, Kira; Philosophy**
Van Exan, Sarah; Economics
Vernier-Larochette, Béatrice; French
Waldman, Suzanne; English**
Wang, Jingtian; Psychology
Whittle, Carrie-Ann; Biology

Killam Postdoctoral Fellows

New Fellows

Fabian-Fine, Ruth; Psychology
Falcon-Lang, Howard; Earth Science
Iakovlev, Serguei; Engineering Mathematics
Richstein, Jörg; Mathematics and Statistics
Robert, Jason; Philosophy**
Sylvain, Renee; Sociology and Social Anthropology**
Zhan, Bi-Zeng; Chemistry

Renewal Fellows

Gauld, James; Chemistry
King, Andrew; English
Liu, Wei-Jiu; Mathematics
MacGibbon, Geraldine; Pharmacology**
Ricciardi, Anthony; Biology

Faculty of Science Killam Professors

Bowen, Anthony; Oceanography
Boyd, Russ; Chemistry
Burford, Neil; Chemistry
Coley, Alan; Mathematics, Statistics and Computing Science
Cullen, John; Oceanography
Hall, Brian; Biology
Jamieson, Rebecca; Earth Sciences

Klein, Ray; Psychology
Meinertzhagen, Ian; Psychology
Whitehead, Henry; Biology

Faculty of Science Killam Prize Winner

Iverson, Sara; Biology

Killam Chairholders

Islam, Rafiqul; Civil Engineering
Meinertzhagen, Ian; Psychology
Myers, Ransom; Ocean Studies
White, Mary Anne; Chemistry; Physics

MONTREAL NEUROLOGICAL INSTITUTE

Killam Scholars

Alonso, Angel
Arnold, Douglas
Barker, Philip
Durham, Heather
Guitton, Daniel
Hastings, Kenneth
Holland, Paul
Miller, Freda
Pike, Bruce
Sadikot, Abbas
Shoubridge, Eric
Stifani, Stefano
Thompson, Christopher

Killam Professor

Wolfe, Leonhard

Dorothy J. Killam Professor

Milner, Brenda

Killam Chairholder

Karpati, George

