



# Saint Mary's Times

Saint Mary's University, Halifax, Nova Scotia  
April, 1991 • Volume 20 • Number 5

## INSIDE

**30 years on**  
When Pauline Fougere started at Saint Mary's in 1961, all students had to wear a shirt and tie. She reminisces on her career. **PAGE 3**

### Serving business

The lure of corporate funding tends to ally universities with business interests, warn two travelling lecturers. **PAGE 5**

### Reggae or management science

Dr. Harvey Millar might still be singing reggae tunes if his mother hadn't threatened to smash his guitar. Now he teaches management science at Saint Mary's. **PAGE 14**

### Enrolment hits 8,000

**A**T THE END OF February statistics showed that enrolment at Saint Mary's hit 8,002 during the 1990-91 academic year. These figures, which include 4,662 full-time and 3,340 part-time students, cover all students who have enrolled during the academic year. The numbers for those who are still enrolled are 4,506 full-time and 2,904 part-time.

**"Difficult, demanding job..."**

## Dodds named V-P

Dr. Colin Dodds was named Saint Mary's new Vice-President (Academic and Research) on March 26 and will take up the position July 1. Dr. Dodds came to Saint Mary's in 1982 as an associate professor of Finance and Management Science, became a full professor, chair of the department and director of the Master of Business Administration program in 1984, and was appointed Dean of Commerce in 1987.

Dr. Dodds' new position is no sinecure. He says, "It is a very difficult, demanding and challenging job." He sees himself as part of a team, "at a time when universities are being challenged financially and in other ways. We are being challenged to provide a vision for the future, including our own future."

What comes first for the new Vice-President? "I think the first priority for the team will be to get over the funding crunch which is



**Colin Dodds**

likely to come in the next two to three years," says Dodds, adding, "It will be difficult to navigate our way through that, given that we have an

enviable record of fiscal responsibility and efficient use of resources in the past, so there is little fat in the system."

The Vice-President (Academic and Research) has responsibility for both teaching and research at Saint Mary's. Asked how he feels about these two aspects of his job, he says, "I think we have to balance teaching and research very carefully. We must not lose sight of why we are here, and we are here because of our students—and our students, both full- and part-time, expect the best. With the excellent faculty we have, the excellent quality of our students and the dedication of our support staff and administrative services, we can rightly be proud of our achievements."

Students are very important to Dr. Dodds, who says, "We really have to get back to basics here. We need to

**see page 4**

## CONVOCA T I O N I S S U E

### Four to be honored at Convocation



**A**T CONVOCA T I O N ON MAY 13, Saint Mary's will confer honorary degrees on four distinguished Canadians. Mr. Frank Baldwin and Dr. Naomi Hersom will receive honorary Doctorates of Civil Laws; Dr. Gerhard Herzberg will receive an honorary Doctor of Science and Mr. David Sobey will receive an honorary Doctor of Commerce. Dr. Herzberg will give the address to the graduates.



**Naomi Hersom**



**David Sobey**



**Gerhard Herzberg**



**Frank Baldwin**

**PAGES 7-10**



# Where tradition meets the future

by Chuck Bridges

**W**e are near the end of the 1990-91 academic year and gearing up for the two summer sessions. Doesn't it seem like it was just last week we were trying to figure out classroom schedules for the record number of students and we were laying the groundwork for the first Fall Convocation in a couple of decades?

The snow is still on the ground as I write this and I think back over the last academic year to the people who have come and gone, some who came and stayed and the events and the activities that filled our calendars.

Some of the highlights and some of the faces...the nine visitors from Eastern Europe who reminded us of how fortunate we are to be living in Canada; others from countries such as Indonesia, Japan and China who enriched life at Saint Mary's University; 8,002 full- and part-time students this year; the return of a tradition - Fall Convocation. The efforts of Elizabeth Chard and Murray Wilson were remarkable. David Peters easily wins the award for best Convocation celebration. The duet of the year goes to Dr. Bill Greer and Kevin Cleary.

We said good-bye to friends who are moving on including Dr. (call me Joe) Jabbra, Tom McDonell, Heather Brown, Ian Morrison, Karen Smith, David Bond, Felice, Chris Flynn, Todd Barter, Richard McLean, Randy McLeod, Heather Andrews, Jeni Keddy, John Gladiator, Randy Thomas, Scott Nuttall and Ian MacDonald.

We welcomed a new Athletics and Recreation Director, Susan Natrass and brought back an old friend as Alumni Director, Anne Mussett.

We watched with respect as Dr. John Young handled the activities of Acting Vice-President (Academic and Research) while the committee searched and found the best candidate at home, Dr. Colin Dodds.

We lost four students, far too early; Greg Brown, Frank Bowes, Jeffrey Bedford, Jill Bradley. We also mourned with the Hessian family.

We watched peace disappear and Kuwait become a scrapyard. Yellow ribbons appeared everywhere. Discussions and seminars were held examining the war, our commitment and the peace that would follow. Nothing was as important to one family as when Jim Hawkins safely returned home from the Gulf to the love of his family and the thanks of many others.

China remained quiet following Tianemin Square and our China Program prospered.

Excellence in teaching and research was pursued by the Quality of Teaching Committee and Saint Mary's professors who insist on doing it much better. The first Executive MBA class began and all 23 have finished the first year.

Improvements to the University include approval on an energy management system for the University - a \$1.1 million project. The quiet work continues on improving the post-secondary system with rationalization in preparation for globalization. The world continued to shrink and we continued to best utilize the limited resources available. Thanks largely to the efforts of dedicated staff and faculty.

Still healthy, Stu Auld and Ken Anderson. Still not smoking two years later, Larry Uteck. Still trying to quit, Coach Clements. Still waiting, rationalization of the system. Joel Matheson urging amalgamation be pursued. 221 scholarships, Canada Scholars. ACOA supporting for another year our Burnside Development Centre. Gerry Wiener, Secretary of State, supporting the Atlantic Centre both politically and financially. The growing national reputation of the Atlantic Centre and Director, David Leitch.

Some of the best kept secrets remain the folks in Physical Plant. The man who knows most, Matthew Gallagher. The addition of Val Dubois.

Babies to Dana Clements, Madine Vanderplaat, Candace Bryson, Ann Cox-Booth, Jill Healy, Larry Uteck (wasn't that the longest pregnancy ever?).

The longest 30 seconds were those in the the Vanier Cup. NSERC awards to Saint Mary's were larger this year.

The smiles at the Block Party and Kids Christmas Party were plentiful, and fun can still be had in the rain during Community Week.

There are so many highs and very few lows and there are many people to thank including Anne West who soon will be standing on top of the world in Nepal, Virginia Jackson, Melanie Jollymore, Joan Matheson and Angela Steele, and to all of you who contribute.



## Swell guys!

One year ago Wellness Day provoked Ken Anderson and Stewart Auld to assess their lifestyles. Today they are leaner and meaner and feeling great.

# Wellness Day well attended!

More than 100 people attended a day of lectures and displays on personal wellness organized by the Saint Mary's Wellness Committee and held on February 27. Lectures aimed at helping members of the University community improve the quality of their lives, and ranged in subject from back problems and pre-menstrual syndrome to financial planning and relationships. Co-ordinator Kathy Mul-lane was satisfied with the turnout, but believes the com-

mittee should look at moving to a new format next year, now that most members of the staff and faculty of the University have had a chance to take the first steps to evaluate their wellness and improve their lifestyles.

Wellness Day is sponsored by Dr. Kenneth L. Ozmon, President of the University. This year the lectures were co-ordinated by Helen Burns and the booths were organized by Patricia Mac-Nell.



## Student forum

The Saint Mary's University Students' Association held a forum on the future of post-secondary education on March 19. Participants, (L to R) Nova Scotia finance minister Greg Kerr, Saint Mary's president Dr. Kenneth Ozmon, Students Union of Nova Scotia chairperson Jeff Phelps, Liberal leader Vince MacLean and NDP representative Dr. Martin Willison, presented brief statements of their views on the importance of post-secondary education, the problems it faces in Nova Scotia and possible solutions. Rebuttals and question period followed the presentations.



# Times

Saint Mary's University  
Halifax, N.S. B3H 3C3

April, 1991  
Volume 20, Number 5

The Times is produced by the Public Affairs Department of Saint Mary's University.

Submissions from faculty, staff, students and friends are welcome.

Director of Public Affairs  
Chuck Bridges  
Editor: Anne West  
Staff Writer:  
Melanie Jollymore  
Design: Stu Ducklow



# Where did the time go?

## Pauline Fougere looks back on her 30-year career at Saint Mary's

**B**ack in 1961 Pauline Fougere came to Saint Mary's for a two-week trial period. On February 15, 1991, she received a bouquet of 30 red roses from Dr. Ozmon to commemorate her 30 years of service to the University.

Pauline's early training was in food handling, and she came to Saint Mary's to run the priests' and students' dining rooms. At that time, the University was still run by the Jesuit Order and the priests lived in cloistered seclusion in the south wing of the McNally building. The students, all male, lived in the North Wing. The institution was still a high school as well as a university.

Pauline didn't stay long in the catering department. "Cook and I didn't get along," she says. "His idea of cleanliness and mine were two different things." So she joined the maintenance staff and took over responsibility for cleaning the executive offices and the

second floor library.

In 1967 one of the two switchboard operators had to leave in a hurry and George Somers asked Pauline if she knew anyone who could take over. She said she didn't, but he pressed her to admit that she had switchboard experience herself. While she was at a Sacred Heart convent near Boston she had worked briefly on a switchboard, while volunteering as a 'candy' stripper at a local hospital.

So Pauline became a part-timer on the old cord board where each call had to be plugged into the correct extension. She still kept her job in the offices, working 12 hours a day, but says, "They never



A little bit of history—the kitchen staff in 1961. L to R: Pauline, Nina Hamilton, unknown, unknown, Allison LaPierre, Murray Martin, Mr. Burns, Dennis Pearson, unknown, and Arthur. Chef Harold Bellefontaine can just be seen in the background.

Right: Pauline with bouquet presented to commemorate her 30 years of service to the University.



did bother getting anybody else for the switchboard, just phased me out of my old job."

Pauline's time at Saint Mary's has spanned enormous change. "When I came," she says, "there were 40 Jesuits living on the south wing. Kevin Cleary was a don, Bob Hayes was here and Murray Martin of Physical Plant was in the kitchen."

Students have changed too. In those days, says Pauline, "All students had to wear a shirt and tie, even in the dining room." By the late 60s, long-haired hippies were to be seen in the corridors. "We had a sit-in in the main lobby. Father Hennessey came out and asked, 'Are you nervous?' but I told him they were not bothering me, they were just sitting." She recalls, "After a while Father Hennessey came out and said, 'I think it is time you boys left,' and they did."

Pauline recalls many amusing incidents, including the day when one of the girls who worked in the kitchen rushed up in a panic, looking for the commissionaire. "Why?" asked Pauline. "I just came in the main door and there is a strange man standing there in an old hat with a knapsack," explained the girl. It turned out she had failed to recognize Father Rourke, in his fishing outfit.

Pauline remembers the Jesuits with respect and fondness. She speaks of Father Hennessey, Father Stewart, Father Burke-Gaffney and Father Power, and says, "They were so concerned for other people, and especially for their employees." She adds, "Working with the Jesuits gave me

a closer-knit feeling with my religion."

Back in those days the University was small enough to be one big family. Pauline remembers, "The Christmas parties were wonderful. Everybody went, all the professors, all the kitchen staff, all the cleaning staff." She adds, "I remember Father Brown with his singing, and Millie Harrington who never missed a party and really knew how to enjoy herself."

Pauline loves music and sang for many years in Canadian Martyrs Church.

Things changed in 1970 when the University became non-denominational. "It was completely transformed," says Pauline, "It was just as if you had changed your place of employment." However, she has changed with the University, adapting to the new technology and the increasing numbers, and says "I have always tried to help people."

Pauline and her husband Gerard have three children and are now grandparents. Retirement is looming for Pauline, but she will not sit home. She says, "I aim to be a cuddler at the IWK Children's Hospital, that will be my main occupation. Right now I am practising as a cuddler for my grandchildren."

## Aluminum can recycling hits campus

A new element has been added to the recycling effort at Saint Mary's — aluminum!

You don't have to feel guilty anymore about throwing away that pop can (or, if the guilt has been overwhelming you, you don't have to stockpile the cans in your office then take them home for recycling.) You can simply hang onto the empty can until you come across one of the seven new recycling bins on campus. The new bins are white, rather than blue.

ECOSS (Environmentally Concerned Students Society) set up the new program in conjunction with Physical Plant and Maritime Recyclers. The students, who have gained quite a reputation for their 'green keen,' made the bins themselves and put them in strategic locations around campus: across from Tim Horton's in the Colonnade, outside the Mini Mart, The Tower foyer, the Students' Centre, outside the Library and by the Marriott concession window in the McNally basement.

The students are monitoring the bins daily, to ensure they're being used properly (i.e., nothing other than aluminum cans to go in!), to determine demand, and to collect the cans and take them to a central collection point outside the Physical Plant

offices, where they are picked up by Maritime Recyclers. They will also be keeping an eye on garbage cans on campus, to get an idea of how many people are still throwing their pop cans away (don't expect any mercy if you're caught!) According to ECOSS co-president Thea Wilson-Hammond, "The biggest problems is that students often take the pop into the classroom with them, then throw the can into the wastebasket on the way out." She says ECOSS would eventually like to put bins on every floor to discourage this practice.

She would also like to expand the program into the residences — a large, untapped source of solid waste. The group is running into regulatory problems which it hopes to overcome by next fall. But, says Thea, "The students have taken the initiative to get the program underway. The University, at some point, has to take over responsibility for keeping it going."

The President's Task Force on Recycling has, "encouraged the students in this initiative, with a view to taking it on as a project," says Dr. Peter Ricketts, task force chairman.



## Proposal still active

# Women's Studies program 'on hold'

Even though the Saint Mary's Senate approved the establishment of a women's studies program in December 1989, and even though the program is listed in the current academic calendar, it still isn't available. The proposed major in women's studies was turned down by the Academic Planning Committee of the Maritime Provinces Higher Education Commission (MPHEC).

All is not lost, however, says sociology professor Dr. Linda Christiansen-Ruffman, 'would-be' co-ordinator of the women's studies program. She, along with Dr. Martha MacDonald, economics professor and long-time supporter of the women's studies program, and Dr. John Young, Acting Vice-President, Academic and Research, recently made a presentation to the MPHEC that put the proposal back on the table. "Quite a feat," says Christiansen-Ruffman.

The program, which would be offered in co-operation with existing women's studies programs at Mount Saint Vincent and Dalhousie universities, would give students the opportunity to get an Arts degree in women's studies. Says Christiansen-Ruffman, "We have the faculty resources in place in several departments that currently offer courses with an emphasis on women. If a formal program were approved, other departments would be more likely to start courses focusing on women, and students would be able to major in women's studies." She adds, "Student interest is high."

Christiansen-Ruffman is pleased with the support she has received from the University's senior administrators. "They recognize the importance of women's studies as an academic discipline," she says. "Many disciplines are taught from a male point-of-view. The lives and experiences of ordinary women are not something we've been interested in as a society. Women's knowledge has not been considered important." Christiansen-Ruffman says sexist biases are deeply ingrained in both men and women, and it will take a lot of academic work to help the damage.

While waiting for word from the MPHEC, Christiansen-Ruffman pursued other methods of promoting women's issues on campus. She discovered that, coincidentally, the Visiting Speakers Committee (of which she is chairperson), the Sociology Department, International Development Studies, the International Education Centre and the Gorsebrook Research Institute were all bringing people to campus to speak on feminist issues in March. She instantly recognized the potential for a speaker series, and arranged with the other groups to act as co-sponsors under a women's studies umbrella.

"That so many different people were working on the same thing independently is testimony to the importance feminist issues have in the minds of people in many disci-

plines on campus," says Christiansen-Ruffman.

The series, spread over a three-week period in March, featured: Arpi Hanilion, who spoke on "Methodology of studying gender and development"; Terisa Turner on "Women's knowledge and participatory research"; Barbara Doran, moderating discussion of a film on access to credit among women in East Africa;

Patricia Armstrong on "Theorizing women's work" and "Issues of pay equity: the Ontario experience"; Donna E. Smyth on "Accounting for absence: the Nova Scotia women's diaries project"; and Angela Miles on "Is sisterhood worth struggling for? Anti-essentialism as anti-political" and "Men, women and politics: feminist or humanist transformation?"

## Women's Caucus celebrates Equality for Women



During International Women's Week the Women's Caucus hosted a reception to commemorate 10 years of equality for women. Seen here are (L to R) Susan Shaw (pay equity coordinator), Dr. Pat Connelly (Sociology) and well-known feminist scholar and author, Dr. Pat Armstrong of the University of Toronto. Dr. Armstrong was on campus to deliver a lecture.

# Committee on status of women established

A President's Advisory Committee on the Status of Women has been established at Saint Mary's, in response to a recommendation made by the Committee on the Future of the University in 1989.

The committee includes members from all areas of the University. Margot Schenk of the Patrick Power Library is its chair. Explaining the purpose of the committee, Schenk says, "The status of women is profoundly and pervasively affected by sexism. Our objectives are to research, acknowledge and communicate the existence of this problem within the University community." She also says they will, "Seek solutions in consultation with various university constituents and advise the President on issues and solutions." The eventual goal of the committee is, "To eliminate sexism through a process of education and initiatives to effect structural change and the empowerment of women at Saint Mary's."

The committee will be gathering data about the status of women on campus. Schenk says, "Once we have precise information about where we are now, we will be able to move forward." Members of the committee are Cheryl Becker (student), Cheryl Dollard (student), Ellen Froid (Physical Plant), Marilyn Keay (Food Services), Dr.

Ursula Kelly (Education), Joan Matheson (Athletics and Recreation), Dr. Grace Pretty (Psychology), Susan Shaw (Pay Equity), and a representative of the maintenance staff who has yet to be appointed.

## All change in Registrar's office

Things were even more hectic than usual in the Registrar's office recently, when everything was moved to the Multi-Purpose Room in Loyola while changes were made to the normal offices. Seen here in their temporary quarters are (L to R) Theresa Brennan, Sheila Smith, Barry Gallant and Glenda Diamond.



## Entrepreneur of Tomorrow

# IGA sponsors scholarships

The grocery chain IGA has become the sponsor of Saint Mary's "Entrepreneur of Tomorrow Scholarship" program. This program invites high school students from across Nova Scotia to write essays entitled "Why I want to be an entrepreneur." The students who submit the best entries receive scholarships to Saint Mary's valued at \$1,500, \$1,000 and \$750. In addition there are three cash awards of \$500, \$200 and \$100.

The awards were started in 1989 by Dr. Colin Dodds, Dean of Commerce, to encourage the entrepreneurial spirit in young Canadians. Dr. Dodds recognized that the success of Canada's economic future depends on encouraging this spirit in young people as early as possible. The scholarships were established with the help of a corporate partner.

The new sponsor of the awards, IGA, came to the Maritime Provinces in 1955. It has grown from 23 independent grocery stores to a network of 81 IGA markets in Nova Scotia, New Brunswick, Prince Edward Island and Newfoundland. Bolands Limited, founded in 1918, is a supplier to IGA stores, other franchise markets, unaffiliated independent stores and food service customers.

## Dodds appointed

from page 1

provide a challenging intellectual environment which focuses on learning. At Saint Mary's we have been able to involve many of our students in research projects and with the extension of co-op programs, we are providing the essential linkage between the University and the workplace. In short, we must provide quality education, particularly quality undergraduate education." What does Dr. Dodds mean by quality

education? Simply, he says, "I repeat what I said when I became Dean of Commerce. We want our students to be able to write and think and speak clearly, and to have good interpersonal skills and be able to assist in the challenges of a globally competitive world. This comes back to the importance of a general education in the field of liberal arts and sciences."



# New Alumni Director an old friend

Anne Mussett was recently appointed Alumni Director, taking the place of Tom McDonell, who left in January. Anne is no stranger to the University or the alumni office. She is a dyed-in-the-wool Santamarian, who started her career as an undergraduate in 1975, graduating with a BA in English and Political Science in 1979.

After graduating, she worked as a constituency assistant for Bob Rae, then MP for Toronto, now Ontario's first NDP premier. After that she did her first stint with the alumni office, working as an assistant for a short while. From 1980 to 1982 she worked for a financial services company in Ontario, then in 1982 she came back to Saint Mary's as a course assistant in the English and Management departments, doing research and grading student papers.



Anne Mussett

In 1986 Anne went back to university, this time as a law student at the University of New Brunswick in Fredericton, where she graduated with her LLB in 1986. During this period she managed to spend five months working as Alumni Officer at Saint Mary's.

Anne has always been involved volunteer work. At law school she served on the curriculum council and the articling committee and was Vice-President of the Law Students' Society. Since 1987 she has served Saint Mary's as a member of the Presidential Advisory Board on Athletics and Recreation, an elected member of the Alumni Association, and chair of the Alumni Scholarship Committee.

Of her new job Anne says, "I am very enthusiastic. I think Tom McDonell did a wonderful job and I am looking forward to picking it up where he left off." One of her first tasks will be to appoint an alumni officer, to replace Heather Brown, who left shortly before Tom. She says, "I would like to see the Alumni Officer in place and comfortable with

the position by the fall because I see that person being responsible for the student alumni association." She believes this is very important because it gives the University a chance to establish the role of the Alumni Association in the minds of

students before they graduate.

Anne is married to Bob Mussett and they have a 18-month-old son Spencer. Incidentally, she has yet another strong connection with Saint Mary's—her brother is football coach Larry Uteck.



## Reception for Canada Scholars

This year's Canada Scholars were honored at a reception in the Courtside Lounge March 15. These first-year students receive scholarships funded by the Minister of State for Science and Technology based on their high school marks. The students are seen here with Howard Crosby, MP for Halifax West. L to R (back row)

Scott Furey, Sophia Scopoletes, Kimberley Dauphinée, Todd Wallace, Joyce Chew, Leonard MacGillivray, Jonathan Dursi, Elizabeth Gillis, Rebecca Newton, Karla Randall, Jeffrey Sangster, Ginette MacIsaac, (front row) Catherine Amirault, Gregory Kendall, Howard Crosby, Jason Comeau, Yasar Halefoglou.



## Chinese students organize craft display

Chinese students organized a sale and display of crafts in the Multi-Purpose Room in March. Seen here (L to R) Cong Li, Genglin Zheng and Beinan Zhang.

# Beware corporate links, visiting profs warn

Students, their parents, pure research and liberal arts education may be at risk as universities scramble to obtain funding from corporations, say two professors from York University who visited Saint Mary's on March 18 at the invitation of the Visiting Speakers Committee.

Dr. Janice Newson and Dr. Howard Buchbinder explained their theory that, since the 1970s, universities have tried to counteract funding problems by becoming more and more involved with research for major corporations, in effect becoming "service universities" for these corporations. In so doing, the two professors believe,



Dr. Buchbinder (L) and Dr. Newson (R) with Dr. Linda Christiansen-Ruffman, chair of the visiting speaker's committee.

curricula and research have been increasingly tailored to the needs of these corporations, and the evaluation

of faculty members has swung towards an emphasis on how much corporate money they bring in. As this has happened, Newson and Buchbinder believe, the student and his or her parents have been paying higher and higher fees in a situation where the service provided by the University is primarily not for them, but for the corporations.

Newson and Buchbinder have been preaching this message to deaf ears for many years, but say that recently more and more people are coming to them and saying, "I see what you were talking about."

## Computerized control of building systems

# Saint Mary's adopts energy management program

Saint Mary's is embarking on a million-dollar energy management program that will save both energy and money over the next few years. The program, proposed by Physical Plant and accepted by a Board of Governors committee in February, will render net savings of \$67,000 a year by 1996/97.

According to Physical Plant Director Louis Dursi, the major feature of the program will be a computerized building systems-management control system, programmed to shut equipment, such as exhaust fans and heaters, on and off as required. Fine-tuning such equipment will save energy and manpower otherwise required to walk around campus, manually adjusting the controls.

Another advantage of the management control system is that it monitors the status of the equipment and, "If a space is overheating, the computer will detect that, and compensate," says Dursi. "If the temperature doesn't respond by lowering, an alarm on the computer will sound."

Along with the energy management program, Physical Plant is also going to renovate to improve the freshness of the air in the library, Science Building and Loyola Building. While this will be expensive, Dursi says the savings from the energy management program will more than offset those costs and, "There's a lot of pressure to improve the air quality in those buildings, so we would be

making those improvements anyway."

The search is now on for an energy management engineer, who will take over the day-to-day management of the project in April.

The program is being financed through five annual payments of \$200,000 from the University's Provincial Alteration and Renovation Grant. The savings realized by the program will go to pay down interest. Dursi hopes any surplus from savings will be allocated in whole or in part to a building reserve fund, which will finance future improvements on campus without putting further demands on the University's already strained resources.



# Friday Forum Saint Mary's University researchers explain their work to their peers

## Curiosity, creativity and fear of failure

**Dr. Robert Sargent, Faculty of Education**

by Anne West

A few years ago a chance occurrence in a classroom in far-off Swaziland piqued Dr. Robert Sargent's curiosity and launched him into a research project that will last for many years.

Dr. Sargent was Dean of Education at the University of Swaziland. At the time he was talking to a class of 50 teachers about the rights of children when he noticed that something was wrong. The class appeared both amused and upset. He asked them why, only to be told, "Children have no rights. They have to be quiet, obey and not ask questions of their elders. That is the Swazi custom."

For someone from a culture that believes the curiosity of its children is a vital component of the learning process, this statement was a revelation and caused Sargent to wonder about how national characteristics evolve. He says, "The school is a reflection of the culture; what the school is the culture will be, and society is reflected in its culture." As he began to understand the culture of Swaziland better, he began to wonder, "Does the education system stifle curiosity, or do Swazi children have no curiosity?" Later he broadened his thesis to wonder whether the lack of curiosity of the children was connected to the lack of creativity in the culture of the country. Unlike other African countries, Swaziland does not have vibrant traditions of music, weaving and art.

Once Sargent began to understand the cultural problems he was up against in the Swazi education system, many things became clear. Some of his class complained that he was not teaching, but when this problem was analyzed he realized that his mistake was trying to make his class of teachers ask questions. To the Swazis, this was not teaching. To them, teaching, means providing answers.

Further investigation of Swazi

culture revealed that children are beaten for asking questions. He believes it is not surprising that the children show little curiosity when, "For many of the children, asking questions has resulted in violence." Of his five years in the country, he says, "I visited schools all over Swaziland and saw classrooms full of docile children." Describing their reactions, he says, "They would crawl in the door because we are all elders. They would not look you in the eye. Trying to get sense out of them is very difficult. Their formal education reinforces the non-questioning attitude. These children carry the crushing burdens of obedience and silence."

His own curiosity thoroughly stimulated, Sargent devised a battery of tests to assess levels of curiosity among children and his students, their teachers. He sought also to discover whether there is a connection between curiosity, a need for achievement and a fear of failure. He says, "If you are intensely curious, but culturally inhibited from asking a question, do you develop an intense fear of failure?" He learned that among the teachers he tested, those who rated a high need for achievement would also have a high fear of failure."

Sargent's practical experiments included putting a strange object in the classroom and watching the reaction. When he exhibited a jar with crystals growing in it, he says, "The Swazi children either ignored, or moved away from it. There is something different about these children and their reactions." Sargent was able to apply his tests in other African countries, and when he returned to Canada and joined the Education Faculty at Saint Mary's in September 1990, he started applying his tests to Education students here. He also intends to continue his research during his visit to Botswana as a faculty advisor for the 1991 WUSC International Development Seminar. Sargent is gradually assembling a method of inter-relating complex aspects of national character and personal characteristics as they relate to education.



Dr. Robert Sargent

## Debt management 21st century style

**Dr. Alice Ireland, Faculty of Commerce**

by Anne West

Debt! Who isn't intimately acquainted with it? Whether trying to pay down the mortgage, hearing yet again about the MacKay Bridge debt, or wondering whether the GST will really be used to pay off our crippling national debt, we live in a world of deficit financing. Whether the debt be large or small, minimizing the cost and risk of borrowing is important to everyone.

Dr. Alice Ireland is a member of a team that in 1986 began working on the creation of a

computer system to help corporate financial managers find the best borrowing plans for their companies' debts. In computerese: "an intelligent decision support system for debt management."

The work began as a PhD project for Dr. Ireland, who says, "Now we have people working on it around the world. The overall thrust of the project is to help corporate treasurers use sophisticated financial models to make better borrowing decisions."

The complexity of financial decision-making means the team must come up with a way of, "using more than one model in a complementary way to cover as much of the problem as possible." They must also, says Ireland, "Make the models flexible because the financial climate changes very rapidly. If interest rates could be predicted, such complex and variable calculations would not be necessary. If we knew future interest rates, I would not be standing here."

This research is still in the early stages. Ireland says, "Existing programs deal with fairly simple accounting models and simple spread sheet computations. These have to be integrated with much more complex models covering future possibilities and probabilities." Some of the factors that have to be included in the calculations are interest costs, the

money to retire the debt, safeguards for the lender, future cash flows, future costs and future interest rate changes. She adds, "We have to consider many scenarios for future borrowing in order to use a rational decision-making approach."

For a practical perspective, the team initially worked with the Nova Scotia Power Corporation to define system requirements and develop test problems. The team's second goal is to make the program 'friendly' enough for use by financial people who are not



Dr. Alice Ireland

modelling experts. Ireland says, "We are building an artificial intelligence to assist corporate treasurers to use these models directly rather than by relying on scarce and expensive modelling experts." One of the questions the team is now working on is, "How do you translate the information provided by the computer model into something the corporate treasurer can understand and use?"

Although large companies will always employ financial wizards to decide among different borrowing patterns, Ireland hopes that one day the program will be available for smaller companies which do not have experts on their payrolls. This will come, she says, "when there is more financial knowledge built into it."



# Four honored in ceremony

## Frank Baldwin

**'M**R. BASKETBALL" TO ANYONE WHO knows the sport in Nova Scotia, Frank Baldwin's distinguished career as a coach and administrator in that sport included a decade in which he founded the Saint Mary's Basketball Huskies and set them on the path of excellence which they have sought to achieve ever since. He is still to be seen around the basketball court at The Tower, offering the benefit of his unmatched experience to coaches and young players alike.

Frank Baldwin came to Saint Mary's in 1952 as manager of the University's bookstore and canteen. At the same time he started coaching the basketball team and remained with it until 1962, when he became recreation director for the Canadian Martyrs Church.

Baldwin assumed his first coaching role in 1939 when he took on the Oxford Junior High School team. In 1950 he coached the Queen Elizabeth High School team to the Canadian Juvenile Championship. Throughout the 70s he continued to coach at the provincial and national levels. His service to the game has brought him many honors, including induction into the Canadian Basketball Hall of Fame in 1979. He was co-founder of the Halifax Juvenile Boys Basketball League, and from 1972 until his retirement in 1986 was co-ordinator for basketball at Sport Nova Scotia.

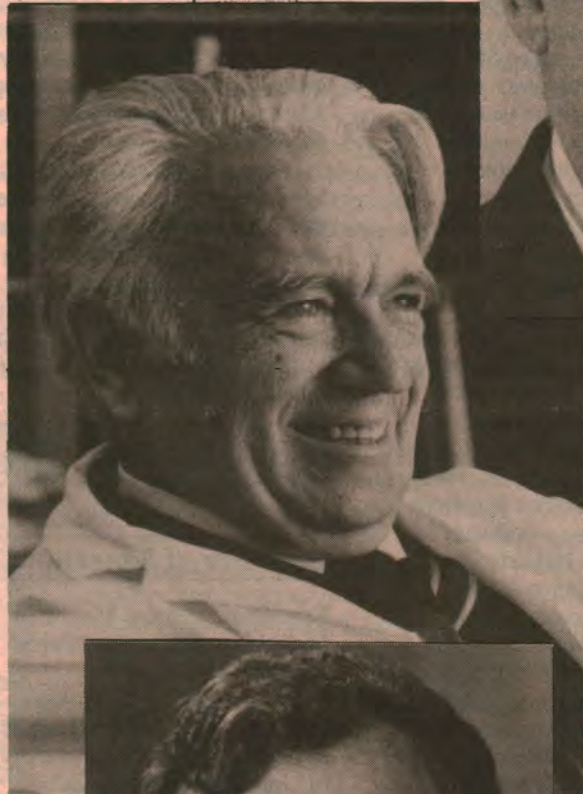
The success of Frank Baldwin's career has been based not only on his love of basketball, but on his love for people. "People have always been my priority," he said in an interview. At the same time he was asked to recall the highlight of his career. In typical fashion, he replied, "Every day was a highlight."

## Dr. Naomi Hersom

**D**R. NAOMI HERSOM IS completing a term of office as President of Mount Saint Vincent University. She received a BA, BEd and MEd from the University of Manitoba and a PhD from the University of Alberta. Her distinguished teaching and administrative career began in the elementary schools of Winnipeg and led her to teach in the faculties of education of the universities of Alberta and British Columbia. In 1981, she became Dean of the College of Education at the University of Saskatchewan, where her work included the expansion of technical and vocational teacher education programs, and the development of distance education.

Hersom has made substantial contributions to the cause of education. She has served as president of the Canadian Society for the Study of Higher Education and the Canadian Society for the Study of Education, as a vice-president of the Canadian Education Association, and a member of the Advisory Academic Panel of the Social Sciences and Humanities Research Council of Canada (SSHRC). For her work in education and other areas of public service, notably the Inter-varsity Christian Fellowship of Canada, she has received numerous awards, including YWCA Woman of the Year. In 1987 she was invested Grand Dame of Merit, Order of the Knights of Malta.

Hersom has been tireless in her teaching, writing and administrative efforts to promote many causes, not least those concerning the role and wellbeing of women. She has been a member of the Canadian Research Institute for the Advancement of Women and the UNESCO Status of Women Sub Commission. Hersom, who holds honorary degrees from McGill University, York University, the University of Ottawa and the University of Manitoba, has published 58 papers on a wide range of subjects. In addition, she has given her time to deliver a staggering 153 talks and addresses to bodies as diverse as a pregnancy crisis centre and SSHRC.



Honorary degree recipients from top: Frank Baldwin, Gerhard Herzberg, Naomi Hersom and David F. Sobeys.

## Dr. Gerhard Herzberg

**D**R. HERZBERG WAS BORN IN HAMBURG, Germany and received his undergraduate and doctoral degrees from the Darmstadt Institute of Technology. He escaped from Nazi Germany to Canada in 1935 and became Research Professor of Physics at the University of Saskatchewan. From 1945 to 1948 he was Professor of Spectroscopy at the University of Chicago, and in 1948 he joined the National Research Council (NRC) as Principal Research

Officer, Division of Physics. He remained with the NRC to serve as director of the divisions of physics and pure physics, and in 1969 was appointed Distinguished Research Scientist, Division of Physics. He is now Distinguished Research Scientist with the Herzberg Institute of Astrophysics, which was named in his honor.

Other honors which have been showered on this distinguished scientist include the Nobel Prize in Chemistry (1971) and the Linus Pauling medal from the American Chemical Society (1971). In 1987 the minor planet 3316=1984 CN1 was officially named "Herzberg."

Herzberg's scientific work has been in the fields of spectroscopy, atomic and molecular structure and astrophysics. It has been said of him that "His work has added to our knowledge of the atmospheres of the stars and planets and has enlarged our understanding of the bonds between atoms and molecules." He is an honorary fellow or member of learned societies around the world and has given many lectures. In addition, Dr. Herzberg has published over 275 papers in scientific journals in his fields and six books on spectroscopy. He holds

honorary degrees from 36 universities, including doctorates of science from Oxford, Cambridge and the University of Chicago.

## David F. Sobeys

**D**AVID SOBEYS IS THE grandson of the founder of Sobeys Inc., and began his working life sorting vegetables in the basement of a company store in Stellarton. Today he is chairman and president of the company, which employs 10,000 people, operates more than 115 retail stores from Ontario to Newfoundland, and has major wholesaling, food services and manufacturing operations.

After studying at Dalhousie University, Sobeys joined the family firm and, except for one year with First National Stores in Boston, has been with it ever since. After a period managing a Sobeys store in Halifax, he became Director of Merchandising and Advertising. In 1961, he was appointed Vice-President, and in 1974, President. Since his appointment as President, Sobeys Inc. has grown from \$150 million in annual sales to over \$1.8 billion.

In 1990, he was made a Knight of the Golden Pencil, an honor which recognizes personal commitment and a significant long-term contribution to the Canadian food industry.

David Sobeys's community service includes work with Junior Achievement of Canada and he is a director of the Retail Council of Canada, and the Food Marketing Institute. He serves on a number of boards of directors, including Dominion Textile, Provigo, Hannaford Bros., CHC Helicopter Corp., and Evangeline Savings and Mortgage Company, as well as Empire Company and other associated businesses. He was appointed to the Board of Governors of Saint Mary's University in 1986.



# CAPS, GOWNS &

## Beinan (Allison) Zhang

### MBA

Before coming to Canada in 1988, Beinan Zhang was an assistant professor of international economics at the Beijing Normal University in Beijing, China. She came to Saint Mary's through the Canada-China Language and Cultural Program, which has offices at both universities. A delegation from the China-based half of the program had visited Saint Mary's earlier, and struck an agreement to send one of its teachers to Saint Mary's.



Beinan Zhang

Beinan already had Bachelor and Masters degrees in economics, but, as she says, "I came to Canada to gain first-hand knowledge of the capitalist system." As a teacher of international economics, she says it is critical for her to understand how Western-style economies function. "In 1982 when I was an undergraduate, we were not taught much about Western society or economics. But now, China is becoming more and more open to the world, and the Chinese are learning more about the Western world in university. Lots of courses are imported from Japan."

After she graduates in May, Beinan may decide to practice what she learned in her MBA in Canada. She doesn't know when she will return to China, where she has a husband and a five-year-old daughter.

## Trudy Sable

### BA, Atlantic Canada Studies

When Trudy Sable graduates with a Baccalaureate this year, she will finish a degree she started 20 years ago at the University of Maine.

Trudy left high school when she was 17. Since then her life has followed a winding path that eventually led to Nova Scotia. After leaving school, she worked as a teaching assistant at various schools across the United States for a year, then studied Chinese for two years in Michigan.

After a short stint in California in the early 70s, she returned to the east coast and built a house in Maine. At this time she enrolled in a plant and soil sciences program at the University of Maine. She didn't complete the program, however, and moved to Boulder, Colorado. Here she studied Buddhism and dance at the Naropa Institute, "a secular institution that, using a contemplative approach, tries to merge Western and Eastern modes of thought," she explains.

In 1976, Trudy again moved back east, and lived in a Buddhist meditation centre in Vermont for a year. Here she met her husband, David Sable. They married in 1978 and moved to Washington, D.C. The couple settled there for eight years. Trudy, who had always had an interest in culture and education, worked as co-ordinator of cultural programs for the Nalanda Foundation, a sister institution of the Naropa Institute that attempts to create dialogue between people of Eastern and Western cultures. While in Washington, Trudy also began working on a Bachelor program in museum education and administration at the University of Maryland, while taking some Masters courses at George Washington. Before she completed the degree, however, she and David moved to New Jersey, where Trudy worked as director of education at the



Trudy Sable

Reeves-Reed Arboretum in Summit.

Two years later, they were on the move again. They moved to Halifax in 1988, to join the Buddhist community here and because they liked the city. They and their 12-year-old daughter Julia live in the Purcell's Cove Road area.

Trudy looked for work, but didn't find anything in the cultural field. So, she says, "I decided to go back to university and finally finish my degree! Because I wanted to work in culture, but was not familiar with the local culture, I enrolled at Saint Mary's to do a double major in Anthropology and Atlantic Canada Studies." With her transfer credits, she was able to complete the degree quite quickly, and has now been accepted into the Masters program in Atlantic Canada Studies.

What will she do when she finishes her Masters? "I have always dreamed of starting a children's cultural centre," she says, adding that she wishes the school system would teach more about cultural differences. "When you study culture, you can see where the biases come from. It's important for children to learn to accept other cultures."

## Rose Egolet

### Bachelor of Education

Rose came to Saint Mary's in September 1989, as a refugee sponsored by World University Services Canada (WUSC). Rose obtained a BSc in Biology from the University of Uganda and became a science teacher. She was teaching in Kenya when the civil war struck her part of eastern Uganda. Her parents were displaced and one of her brothers was killed and it became impossible for her to return home. Her life was further complicated when the government of Kenya began deporting Ugandan teachers for political reasons. Rose then moved to Swaziland and taught there for a while, but decided to try to come to Canada. She learned about the WUSC refugee program and decided to apply for refugee status, and was accepted as a student by Saint Mary's. She did a one-year upgrade in the science faculty, then enrolled in the BEd program. Although the University supported her during her first year, she has since had to earn her living by working as a nanny in the summer and doing shifts in the kitchen on campus. With her BEd under her belt, Rose is now looking for a job and considering going anywhere in Canada. Once she can support herself she can also apply to bring her husband Asimwe into the country. Asimwe is living with friends in California, and the two were married at Christmas. Asimwe is a vet by training and will have to re-qualify before he can practice in Canada.



Rose Egolet

## Peter Twohig

### Masters, Atlantic Canada Studies

Peter first graduated from Saint Mary's in 1989, with a BA in History and Anthropology. He was awarded a Shandong Scholarship to study in China but struck unlucky because that was the year the scholarships were cancelled because of political unrest in China. Things worked out in the end though, because he decided to stay at Saint Mary's and study for a Masters degree in Atlantic Canada Studies, for which he was awarded a graduate fellowship by the University Senate. Working under the supervision of Dr. Colin Howell, Peter chose as his these topic, "Health and the health care delivery system to the MicMac in Nova Scotia." With his MA under his belt, he hopes to do further research in medical history, if possible doing his Phd at McMaster University. Is he set on an academic path? "I have been bitten by it now," he says. "There is no turning back." Peter's year has been exciting in more ways than one. In November he and his childhood sweetheart Beverley Younger were married. No suggestion of a 'marry in haste' here, says Peter. "Her mother was my grade primary teacher," says Peter. About Saint Mary's, Peter says, "It still feels like a small university. That is a credit to the faculty and the administration. They are contending with more and more students every year, but it still has not lost its charm." His final remark to The Times was, "I wouldn't trade my university years here for anything."



Peter Twohig

## Anne Belliveau

### Bachelor of Education

Anne's year as a BEd student didn't work out quite as planned. Just before classes started, her husband Bruce left for the Persian Gulf aboard HMCs Athabaskan. Anne decided to continue with her plans because, she says, "At this point I was going to do it, come hell or high water." She first graduated from Saint Mary's in 1984, with a BSc in Biology. Aiming to be a doctor, she worked in the microbiology lab at Dalhousie University, and was then admitted to medical school. After two years, she decided medicine was not for her, and got a job selling hospital equipment. By now married and with a son, John, who will soon be two, Anne suddenly realized that what she had



Anne Belliveau

really wanted all along was to teach! Having Bruce in the Persian Gulf was not easy. Anne says she was distracted at times during the year, but found the people in the education faculty really supportive. She also says, "In a way it was helpful because I did not have so much time to sit in front of the TV when war broke out." The BEd class really bonds during training and Anne says of her peers, "I think there will be a lot of good teachers coming out of the class. A lot of very sensitive people have gone through." Bruce returns April 7 and early on the couple's agenda is to take a trip they won before Bruce went overseas. After that Anne says, "I have great plans to teach in the future," but she may put her career on hold to look after her family for a while.

## Jaime Martell

### BSc (Honors), Chemistry

Jaime Martell came to Saint Mary's with one goal in mind — to get a BSc. He already had two diplomas, one in chemical technology and one in computer programming, and several years experience in programming at the Bedford Institute of Oceanography. But, he says that whenever he tried to move into a better job, he was automatically screened out because he didn't have a degree. So, he enrolled in chemistry at Saint Mary's. Now, four years later, not only is he graduating with an honors degree, but he is heading to Dalhousie to get a PhD in theoretical chemistry. The Natural Sciences and Engineering Research Council (NSERC) has awarded him a four-year post-graduate scholarship of



# DIPLOMAS

## John Gladiator

### Bachelor of Commerce

The name Gladiator has been synonymous with hockey at Saint Mary's since 1983, when John's brother Frank came here to get a commerce degree and play hockey. Frank is now working as an auditor, but John, who has been a major component of the Hockey Huskies since he first came to campus in 1986, is anxiously waiting for news about a tryout with a professional hockey team. He did try out with the Los Angeles Raiders in 1988, but was not ready for the big league at that time. Being a varsity athlete puts a lot of pressure on a student and John says hockey is the longest season there is. "We practice every day for several hours and play every weekend during the season. You really have to budget your time," he says. Despite this, John has achieved his BComm, with a major in



John Gladiator

marketing. Last summer he co-ordinated the Pepsi Taste Patrol in Toronto and says, "I learned quite a bit there." Why did the Gladiators choose Saint Mary's? John came because his brother was here, because he really liked Halifax, and because he was looking for a good commerce program on a small campus. Maybe his chances of a career in pro hockey would have been greater if he had gone to a school with a higher profile team, but he says, "I have really enjoyed it here. I had good opportunities. I have been given a chance to get a lot of ice time and my game has improved in this way." His game, indeed, has improved so much that he recently achieved First Team All-Star status in the Atlantic Conference. "That could help my chances," he says. If he makes it, John says he will, "Try pro hockey for a year or two, see what happens. If it doesn't work out, I'll take a job."

## Andrew Starzomski

### BSc (Honors), Psychology

Andrew Starzomski, a 22-year-old native of Dartmouth, is one of the top graduates of his class. The 'A' student in psychology has been accepted into the PhD program at Queen's University, and is waiting to hear if he has been accepted into the University of British Columbia program — the latter being his preference.

"I enrolled in psychology because it's a good mixture of arts and science," Andrew says. He chose a science degree because he is particularly interested in clinical psychology. "My honors thesis is in the area of child sexual abuse," he says. "I'd like to continue in the clinical-forensic area,



Andrew Starzomski

doing both clinical and research work in the areas of physical and sexual abuse of women and children."

Andrew has worked two years, full-time in the summer and part-time during the school year, as a psychiatric attendant at the Nova Scotia Hospital. He found this an invaluable experience, saying, "It was a great opportunity to work and spend time with people with a wide variety of psychiatric problems, and learn more about their problems and how the staff tries to alleviate them."

## Heather Nelson

### Bachelor of Arts (English)

Heather is justly proud of her BA. She was unfortunate enough to inherit the genes which gave her Friedreichs Ataxia, one of the 40 different kinds of muscular dystrophy. She struggled as far as grade nine, but was by then physically unable to look after herself and needed constant care. She says, "For the next 16 years I moved from one nursing home to another." In 1979 she managed to complete grade 12 and then in 1982 she moved into Hill House in Halifax, a home for independent living. She is eternally grateful to the people there who had faith she could achieve this step and who later encouraged her to consider university and introduced her to the Atlantic Centre of Support for Disabled Students at Saint Mary's. She came to Saint Mary's in 1985 and hasn't looked back since, although with her paralysis and the difficulty she has hearing and seeing, nothing is easy for her. Helen has a special message of thanks for Paula

## Andrea MacNair

### President, Class of '91

### BA, English

For Andrea MacNair, involvement has been the most rewarding aspect of university life. Since she came to Saint Mary's from Charlottetown four years ago, she has devoted her time, energy and enthusiasm to a myriad of activities. She helped plan winter carnival for four years and worked for the Saint Mary's University Students' Association (SMUSA) for three years (as information desk manager for the past two). She has also done special projects for SMUSA over the summer — most recently, she organized activities for 1990 Orientation Week.

In the fall of 1990, Andrea co-chaired Alcohol Awareness Week with Candace Bryson, Assistant Director of Residence Life. Through various events, like a non-alcoholic skating party, the week helped raise awareness among students of some of the consequences of alcohol abuse.

The 24-year-old Arts graduate says she has also been involved in "the usual" committees, such as the selection committee for the Commerce Awards, and Red Cross Blood Donor Clinic organizing committees. As president of the graduating class, she is currently pulling together the final details for grad week, May 7 to 13.

Andrea plans to return to school in the next year or so, most likely to Mount Saint Vincent for public relations. In the meantime, she hopes to find work somewhere in Canada, to give her a breather before returning to university life.



Andrea MacNair



Dr. Douglas Williamson

## Dean Emeritus, Dr. Douglas Williamson

Dr. Douglas Williamson is being honored by Saint Mary's with an appointment as Dean of Science Emeritus. Dr. Williamson was Dean of Science at Saint Mary's from 1980 to 1989. In a tribute published on his retirement, Dr. Jaroslav Dostal wrote: "Dr. Williamson's term as Dean of Science was an unqualified success. His dynamic personality, unfailing integrity and constant striving for the highest academic standards will be remembered for many years. His legacy in the Faculty of Science is a vastly increased level of research activity and outside financial support."

Williamson came to Canada in 1953 after four years as a Royal Air Force pilot during the Second World War, and six years at the University of Aberdeen, where he earned a BSc and PhD in geology. He joined the Geology Department at Mount Allison University, and in addition to teaching and administrative duties, he conducted extensive field and mineral exploration studies and published papers and reports on his findings. In 1966, Williamson undertook to plan and start the geology department at Laurentian University in Sudbury. He became Associate Dean of Science in 1969 and Dean of Science in 1975.

During his years at Mount Allison and Laurentian, Williamson showed dedication to broader issues in the academic environment through involvement in committees on research and academic excellence at both the provincial and national levels.

At Saint Mary's, Dean Williamson was active in university affairs and on academic boards and committees, but found time to teach a course in geology in order to stay in touch with students. Dr. Dostal said, "As a teacher, his exuberant style, love of his subject and genuine concern for students were guaranteed to inspire all those who attended his classes."

In his retirement Dr. Williamson is busy catching up on all kinds of things he did not have time for during his working life. Of his appointment as Dean Emeritus, he says, "I am delighted and glad that my years in the dean's office have been recognized. They were not always easy ones."

\$15,000 per year to complete his doctoral studies.

"I decided that I had come this far (to get a BSc), so why not go for the PhD?" says the 31-year-old. "I had already changed careers a number of times, so decided to make this the last one." Jaime's goal is to be a professor. He says, "I wouldn't mind teaching at Saint Mary's or a similar type of institution when I'm done."

As he adjusts to graduate school, Jaime will have to adjust to another lifestyle change — he's getting married on August 10 at Canadian Martyrs to Lois Vanderlinden, a BEd graduate from Saint Mary's.



Jaime Martell



Heather Nelson

Kinsman of the Atlantic Centre, who she says, "Has been like a second mother to me," and also to all the staff of the Patrick Power Library, who, "really helped me get through." Heather used the services of student notetakers in class, and staff at the Atlantic Centre helped type her papers. In addition, she was able to use of some of the technical aids they provide. Why did she decide to make this tremendous effort? "I wanted to improve my education, perhaps get a job and be useful," says Heather, "rather than sit in a nursing home feeling sorry for myself." "I cannot use my body," she adds, "but I still have the grey matter and I wanted to use it." What next? Who knows? Despite her weakness, jobs or post-graduate work are no longer totally out of reach for this brave student.



# The relentless pursuit of ethics

by Anne West

What should have been a half hour interview turned into a two hour philosophy lesson! Dr. Richard Beis retired in September after teaching at Saint Mary's for 25 years. He will be honored with the title of Professor Emeritus at Convocation, so I decided to write an article about his career. Easier said than done! Each question, even "Why did you come to Nova Scotia?" elicited a complex and carefully reasoned answer, and his frustration at having no blackboard was evident throughout the interview. Most of my questions never did get answers, but I, who have never been to university, received a wonderful lesson in philosophical thought.

It appears that philosophy chose Dr. Beis, rather than the other way around. He says, "I came across it at a young age, I think I always liked it, even when I did not know what it was." He still loves it and says, "I am very lucky, after 30 years I still love my discipline." He has also always enjoyed teaching and says, "Right up through my last day of classes I enjoyed the exchange of ideas with students."

Dr. Beis and his wife Frances came to Canada in 1965, from Chicago. They came in search of land, clean air (both have allergies) and work. Nova Scotia

provided all three and they have loved it ever since. At first they rented homes at Mason's Point and Allan Heights, then built a place at Allan Heights. They moved into Halifax to bring up their two children on Mumford Road, but moved back to their ocean view once the children were grown.



**T**hink how careful we are when we invest money. Yet... when we get talking about sex, we get silly."

Dr. Beis' career has been devoted to the study of ethics, but he is quick to say, "I teach ethics, I do not preach ethics." His work is deeply rooted in the great Greek philosophers Plato, Aristotle, and Socrates, as well as Saint Augustine, Saint Thomas Aquinas, Descartes, Hume and Kant. He explains that the Greek philosophers "tried to develop a consistent and rational kind of ethical system," which is what moral philosophers have continued to do over the centuries, encountering many problems and creating many theories in the process.

Dr. Beis has researched widely on the questions of sexual ethics. Asked why, he says, "It is a very vital concern for most people. If you think of other things that are important to us, for example, investing money, think how careful we are when we invest money. Yet one of the things I found was that when we get talking about sex, we get silly. We refuse to use that kind of hard-nosed approach to it." He believes, "We pay a bitter price for that. I think there has been incredible suffering for aeons because we refuse to use hard-headed analysis with regard to sex."

In his search for truth in sexual ethics, he has touched on many of the moral issues of our time. He

says, "I wrote about contraception in the 60s, homosexuality in the 70s and pornography in the 80s."

After a life devoted to the relentless pursuit of ethical questions, one must ask, what are Dr. Beis' own conclusions? Although he grew up a Roman Catholic and even spent some years in a seminary, he eventually abandoned Christianity and says, "I despise ideology." He adds, "Religious ideology, political ideology, you name it, I do not subscribe to it." This does not mean he is against all theory, but that he has found ideologies fall down in the light of hard experience.

Teaching has always been very important to Dr. Beis. "The excitement of teaching is when students see whole new worlds," he says. Dr. Beis always pushed himself and his students, and agrees with the philosopher Spinoza that, "Things that are of great value are as difficult as they are rare." He has always tried, "To get students to think very deeply about ethical positions and why they hold them." For many students, he believes, "This is a whole new experience." Of his teaching methods he says, "I have never been able to lecture, I naturally create a dialogue between myself and the students."

Dr. Beis has always tried to make the complexities of philosophical reasoning clear to his students by using examples they can relate to. When linking such abstract concepts as "good" and "bad" with concrete terms like "black" and "white," he connects them with such everyday realities as "tables", "chairs" or "cats". He remembers, "At the end of one year, a boy and girl, they were very nice kids, gave me a black cat."

Dr. Beis also has strong views on education. He says, "What you need for an education is to learn how to read, how to write, how to speak and how to think."

See page 12

Dr. Philip Street

## Psychology prof wins teaching medal

Teaching is a great job, I enjoy it immensely, but I still get nervous. This suggests to me that I still regard it as a challenge," says Dr. Philip Street.

Dr. Street, who came to Saint Mary's in 1973, is this year's winner of the Father William A. Stewart SJ Medal for teaching. The medal is awarded annually at Convocation and the recipient is chosen by a committee of the Alumni Association.

Dr. Street's students recommended him for the medal and their comments make it clear why. "His encouragement sent me on to graduate school and I am grateful to be numbered among Phil Street's students," says one, while another comments, "To have been a student in two of his classes has been an honor and a significant element in my growing experience as a student in psychology."

Saint Mary's has grown enormously in Dr. Street's 18 years. Classes have become larger, which makes teaching more difficult. This year he has tried to counteract this problem. In his "Abnormal Psychology" course Dr. Street has introduced a system which "uses peers to keep instruction as personal as possible; if you like, a way of taking large classroom numbers and creating a small classroom effect." In this system students focus on mastering what Dr. Street describes as "bite-sized pieces of the curriculum." The students then take their work to "proctors," a chosen group of their peers who took the course the year before. These proctors administer tests of the work completed, after which the students move on to the next bite. The course does become more textbook-oriented and Dr. Street says, "I tend to be there for trouble shooting purposes, and to mediate problems." Added to the text book study however, are supplementary lectures, videos and visiting speakers which the students attend when they have reached the appropriate stage. Dr. Street says this system, "is aimed at mastery, which

sets up a challenge." Although this was its first year, Dr. Street says, "It seems to be working well." He hopes that the system will help him, "find a way to get back the intimacy that is found in a small classroom. We have to find innovative ways to re-establish those lines of communication." His students attest to the fact that it works. One of them says, "What initially seemed would be a chaotic method of instruction quickly progressed into a very well co-ordinated class, thanks to Dr. Street."

Dr. Street believes it is very important to "keep the person in psychology." He explains, "Psychology tends towards...breaking things down into the smallest components, in which case you lose sight of the whole. It is a trees and forests problem." He adds, "You could spend your whole life trying to understand human vision, but very often the student is not here with a question about vision." This remark highlights the fact that to him the students are as important as the subject matter of his lectures. He says, "Many of our students have important personal questions which they hope psychology will answer. It is our job to make sure they are not profoundly disappointed."

This devotion to students goes beyond the classroom for Dr. Street. He was involved in setting up the peer counselling program on campus, which tries to make the first year experience an easier and richer one for students. As one of his supporters says, "He always shows devotion to his students, whether it be by advising, teaching or encouraging." Another important aspect of good teaching is expressed by a student who says, "The student always knows what is expected academically. Dr. Street's course outlines are thorough and leave little room for ambiguity."

Dr. Street believes that his background and early training led to the development of his philosophy of teaching. He says, "I come from a very religious family. My father, grandfather and uncles are ministers." In addition to this, his undergraduate degree from the University of Windsor was in the faculty of arts and he took Greek, Latin and philosophy. He was also involved in the performing arts, as a semi-professional violinist with the Windsor Symphony Orchestra, all through his undergraduate years. Yet another influence was the time he spent in psychiatric hospitals on psychological internships. All these things he says, "Affected how I came to look



**W**hat seemed to be chaotic... progressed into a well coordinated class.

at teaching and what it means to be a student." One of the courses he teaches today is Psychology and Religion.

After receiving his BA in Psychology at Windsor, Dr. Street moved to York University in Toronto, where he studied for his MA and PhD. He actually completed his PhD dissertation after he came to Saint Mary's.

Commenting on the current emphasis on the quality of teaching at Saint Mary's, through the work of the Quality of Teaching Committee, Dr. Street says, "This is the right direction for the University to move in and I am pleased to see it. The fact that the administration and the faculty are starting (such initiatives) is great news."

How does Dr. Street feel about receiving the teaching medal? "I am enormously pleased that the students would think of this, and grateful for the support of Dr. Darrell Bruce and my colleagues," he says. "I know Father Stewart and I am an admirer of his. I have always enjoyed the encounters we have had, although they have been brief and infrequent." He adds, "It is an honor to follow in his tradition."





**Minister visits**  
 Monique Landry, Minister for External Relations and International Development, was on campus for breakfast March 7, during International Women's Week. She is seen here with Phil Okeke.

## Irish Chair holder returns to rich hunting ground

by Anne West

Dr. Seosamh Watson went to Cape Breton in 1983 as part of his quest for a complete record of the spoken Gaelic language. He was so impressed by the vitality of the speech there that he decided a return visit was essential. Eight years later, a half semester as holder of the Chair of Irish Studies at Saint Mary's has given him that opportunity.

Watson's love of the Gaelic language of Scotland and Ireland was sparked when he first heard Irish Gaelic at the age of 15, on a school trip to County Donegal to study classical Greek. His post graduate studies focused on the different dialects of the language and he was asked to collect the Irish Gaelic data for the UNESCO language atlas, *Atlas Linguarum*



**Dr. Seosamh Watson**

*Europae*. He says, "You can only get a full appreciation of the entire tradition by looking at all the separate bits." In 1983, Watson was one of the

founders of Oideas Gael, an Irish language and culture training school to which Saint Mary's sends students each summer.

Watson is not optimistic about the fate of Gaelic as a living language in Cape Breton. He says, "It appears to be doomed. There is no possibility of it being revived unless you have some very charismatic leader, or powerful movement." Things are better in Ireland, he explains, where the Gaelic League was started at the end of the 19th century and has worked ever since to prevent the death of the language.

Better still is the situation in Wales. Watson believes the Welsh have done the best job of preserving their language. "They have a commitment to the language which is second to none and they are not distracted by politics as the Irish are. They see that if their language survives, their culture survives."

Giving an example of this commitment, Watson describes how, when communications in Britain were privatized and the new company decided to cancel uneconomic services in Welsh, "Welsh speakers bought shares in the new company, went to the annual general meeting in Birmingham, and passed a resolution to secure services in Welsh."

During the 1990-91 academic year, the Chair of Irish Studies has been held by two different scholars— Dr. John Shaw for the first semester and Dr. Watson for the second. While here, Watson has taught three courses on campus: "Scottish Gaelic for beginners," "Advanced Irish Gaelic," and "Modern Gaelic literature in translation."

Watson believes the foundation of the D'Arcy McGee Chair of Irish Studies is an important step in raising Gaelic studies to their proper place in Canadian academic life, but says: "It is a pity it has had to wait for this generation. In continental Europe Gaelic and Celtic studies have long been recognized for the valuable part of human civilization they are. It is amazing how long it has taken people on this side of the Atlantic to realize the importance of these disciplines, particularly in view of the large Scottish and Irish populations you have here."

After a summer in Cape Breton with his wife Vivien, his three youngest children, and his trusty tape recorder, Watson will return to University College Dublin, where he holds a senior National University of Ireland appointment. He will then, "Try to get the data I have collected into some publishable form." He will also keep in touch with Saint Mary's, and hopes, "to help them promote Irish studies."

## Business needs knowledge to succeed and knowledge is what universities are all about.

**SO WORKING TOGETHER MAKES GOOD SENSE TO US**

Business Development Centre



The Saint Mary's University Business Development Centre owes its existence to the idea

that the distance between the ivory tower and the office tower must be eliminated. Students, faculty and staff of the Centre work side by side with entrepreneurs to find practical solutions to the everyday problems of small business.

Whether it's start-up assistance and advice, market

research or information on government programs, the Business Development Centre is there to help. Since they opened their doors in Bunside Industrial Park in January, 1989, they've helped 250 people either currently operating or considering the start-up of a business.

The students who work at the Centre provide entrepreneurs with dedicated and informed assistance while gaining practical business experience. Everybody wins. And as more and more ventures succeed and grow, so does the region's economy.

The Atlantic Canada Opportunities Agency is proud to be working with Saint Mary's University towards a stronger Atlantic Canada.

SAINT MARY'S UNIVERSITY AND ACOA  
 A PARTNERSHIP IN ENTERPRISE.

Canada



Atlantic Canada Opportunities Agency

Agence de promotion économique du Canada atlantique



# Teaching workshop a sellout



Dr. Donald Woods with slides

The Theatre Auditorium was packed with educators on Friday, March 1, all eager to learn new teaching techniques from Dr. Donald R. Woods, a professor of chemical engineering at McMaster University. Dr. Woods is a specialist in "Problem-based Learning," a concept designed to create more interaction in the classroom and help students become deeper learners.

The workshop was sponsored by the Quality of Teaching Committee at Saint Mary's and organized by Margaret-Anne Bennett of Continuing Education as a practicum for the Masters in Adult Education which she is pursuing at Dalhousie University.

Margaret-Anne was delighted by the response to the workshop and says, "One hundred and twenty-five people registered." These people included 80 from Saint Mary's, with the rest made up of faculty members from Acadia, Saint Francis Xavier, Dalhousie, Mount Saint Vincent, the University of New Brunswick, the Veterinary College at the University of Prince Edward Island as well as teachers from high schools and technical colleges.

Dr. Woods' presentation included a number of dramatic overhead slides, of which Margaret-Anne says, "The response to these was so good that I am having them copied and sent to all the participants." In addition to learning

from the material presented by Dr. Woods, the event had unexpected results. Margaret-Anne says, "It was a wonderful networking day. So many people commented on what a good opportunity it was to meet and talk with people over coffee and lunch."

Yet another result of this workshop has been many suggestions from faculty members that the University should sponsor more workshops of this calibre. In the evaluation forms, faculty members also suggested that the administration support their efforts to implement new methods of teaching in practical ways, by providing both the necessary equipment and the time needed to develop material.



## Ice Capades stars visit Saint Mary's arena

Natalie and Wayne Seybold, 1988 U.S. National champions and Olympic silver medalists, came to Saint Mary's on Valentine's Day to skate with school kids from Hawthorne Elementary School. The pair was in Halifax for the 1991 Ice Capades.

## Dr. David Gray

# Fisheries Seminar: new location, new co-ordinator

In its fourth year, the Fisheries Seminar Series has moved off campus and acquired a new co-ordinator. Dr. David Gray of Finance and Management Science has moved the series to Saint Mary's at the World Trade Centre, where it is more accessible to industry and government members of the fishing community.

The seminar series, which is sponsored by the Gorsebrook Research Institute, provides a forum where industry and government representatives can interact with academics who are conducting research in different areas of the fishery. It was started in 1987 by Dr. Tony Charles. Gray brings to the position a background in applied mathematics which led him to work with Fisheries and Oceans and a private consulting company on problems of stock assessment for the Atlantic fishery.

The winter 1991 series was dedicated to discussing different aspects of the "Atlantic Fisheries Adjustment Program." Gray describes this as a program set up by government to take a close look at some of the problems which have arisen in recent years. Many of these, he says, are the result of difficulties in estimating the

size of fish stocks, the scientific basis of quotas. He says, "It has got worse, even though techniques have become more sophisticated," and explains, "There are three parts to fishery management; resource allocation (who can take how much fish), enforcement of this allocation, and scientific evaluation of what stock is available to be allocated." He adds, "These don't always work in harmony."

Attendance at the winter 1991 sessions was good. "We are pulling in a good cross section of industry and government people," says Gray. When the seminar first moved to the World Trade Centre the number of academics dropped off, but, "The last couple of sessions we had more of a balance."

Gray sees the series as important in many ways, not least because, "When most of these groups meet to discuss things they are usually in a confrontational situation...in a sense we provide a neutral ground where some of these issues can be discussed in a less confrontational way."

For future sessions, Gray says, "I think there is a need to step back and look at the management of the fishery. We should treat the series as a think tank, and try to figure out what can be done about this problem of interaction

between science, management and enforcement." He adds, "We need to see what management techniques are available, which are enforceable, in the sense of what is acceptable and thus will have the co-operation of the industry, and which can be best supported by the scientists."

the Geography Department.

Dr. Georgia Pe-Piper, chairperson of the Geology Department, says, "There is a growing demand for students with a background in this interdisciplinary area, who have experience in the interface between geology and geography." She explains, "For example, coastal zone management requires an understanding of the geological processes at work in the coastal zone and their interaction with human activity."

In addition, the new program is designed for students who wish to concentrate in either geology or geography, but wish to broaden their education with classes from the other discipline. For example, students concentrating in physical geography will now be able to include courses such as sedimentology, geochemistry, and geological field methods in their programs. Others who plan to become professional geologists will benefit from a knowledge of geomorphology, photogrammetry, cartography and remote sensing.

Both departments offer co-op programs, so there will be opportunities for students to use their academic knowledge in the workplace.

# Pursuit of ethics

From page 10

This is basic stuff and cannot be repeated too often." The role of philosophy in education, he believes, is to teach people how to think. "If you take a variety of courses in a variety of disciplines, you will learn how to think in a variety of ways. In philosophy you will get a certain way of thinking that is different and very useful." Philosophy does not have all the answers, but Beis says, "Understanding the meaning of basic terms and their logic or foundation does not mean you will solve all problems, but you will avoid some of them."

He also believes, "Fifty per cent of the people in university shouldn't be there." Universities, in his opinion, should be an intellectual training ground for people for whom that kind of training is most suited. Expressing this idea, he describes what he sees as a typical North American contradiction: an inconsistent application of a democratic principle, "It is my democratic right that my child should have the opportunity for a university education. I do not, however, believe that it is my son's democratic right to play on the first string of the football team if he doesn't have the physical ability to do so."

Beis still corresponds with many of his students and recently received a letter postmarked Operation Desert Shield. Writing after a day of weapon cleaning, the student commented on Beis' remark that now he was retired, he had no students. "This simply is not the case," read the letter, "I for one will always count myself as one of your students. What I learned from you...has continued to help me in my ongoing pursuit of knowledge." Another student recently wrote, "What you have given me is a love of philosophy. This has enriched my life. I often find myself thinking philosophically at work or on the subway...What I would not give to stroll into your class on a sunny morning and discuss the verification principle of knowledge!"



'Significant increase'

# NSERC grants up, despite hard times

Saint Mary's research scientists will receive a total of \$461,932 from the Natural Sciences and Engineering Research Council in the coming academic year. Of this, \$76,000 goes to five members of the Finance and Management Science Department and the rest to members of the Faculty of Science. This represents an increase of

14.6 per cent overall, and 10.6 per cent for the Faculty of Science.

Dr. Bill Jones, Dean of Science, is pleased with these figures, and says, "This increase is very significant, considering the minimal increase which NSERC received in its funds. It shows the quality of research in which faculty members are engaged." Dean

Jones is particularly pleased by special equipment grants which have been awarded to Dr. Michael Zaworotko and Dr. Melbourne Schriver of the Chemistry Department.

Dean of Commerce, Colin Dodds, is also delighted by the increase in funding for members of the Finance and Management Science Department, which he says, "confirms the quality of our new and existing faculty."

In a letter to university presidents which accompanied news of the grants, Peter Morand, President of NSERC, said, "These are difficult times for university research funding. Although significant funding is channeled to universities through NSERC, the purchasing power of our grants is decreasing due to inflation and the increase in the number of researchers...we are fully conscious of the problem and of its impact on the research community."

## Randall Brooks off to Ottawa

After nearly 20 years of holding the fort in the Astronomy Department, Randall Brooks is bidding Saint Mary's farewell to embark on a new career as Curator of Physical Sciences at the National Museum of Science and Technology in Ottawa. He will be responsible for collecting artifacts relevant to physics, chemistry and mathematics. Dr. Brooks is excited about the move, because it ties in closely with his interest in the history of science and technology. In fact, his PhD, which he obtained in 1989 from Leicester University, is in the history of science and technology as it relates to astronomy.

"When I went off to get my PhD in 1986, my goal was to get a job at that museum," he says. Five years later his patience has paid off.

Brooks joined Saint Mary's before the Burke-Gaffney Observatory was complete, and before the Masters



Randall Brooks

program in Astronomy was underway. He had just completed his own Masters in Astronomy at Waterloo, and was hired as observatory assistant, chiefly responsible for looking after the telescope. He has maintained this responsibility, and responsibility for setting up and looking after other equipment over the years, but has also assumed teaching duties. He has also written a number of papers, "Something I quite enjoy doing," he says.

Something else Brooks has enjoyed over the years is his involvement with the Royal Astronomical Society. He's been a member since the late 60s, and has held several offices locally and nationally. At a recent meeting of the Society, he was given a plaque commemorating his years of service, and calling him the 'godfather of the Halifax chapter.' Brooks, currently chair of the national historical committee, will continue his involvement with the Royal Astronomical Society in Ottawa.

Saint Mary's will also remember Dr. Brooks for his involvement in the staff union. He was president for four years, and negotiated four of five contracts since the union was founded in 1982.

## IEC publishes book on American immigrants

The experiences of Latin American immigrants to Nova Scotia are the subject of "Not Yet Canadians," the second volume in the International Education Centre's "Issues in Ethnicity and Multiculturalism" series.

Written by Carole A. Hartzman, the book is a study of Latin Americans in Canada. There are few Latin Americans in Nova Scotia, but those described in this study are a microcosm of those who have made their homes across Canada. This

small group provides a window to understanding the reasons that have caused so many Latin Americans to flee their homeland along with an insight into their adjustment to Canada.

Carole Hartzman is an associate professor of Spanish at Mount Saint Vincent University. She has been working with Latin Americans and studying Latin American immigration to Nova Scotia for the past 10 years, and is now working on a larger study of Latin Americans in the three Maritime Provinces.



Carole Hartzman

### Astronomy

|                     |   |          |
|---------------------|---|----------|
| Dr. George Mitchell | 1) Young stellar objects and molecular cloud cores, 2) Interstellar shock chemistry | \$30,000 |
| Dr. David Turner    | Open clusters and cepheid variables   | \$21,000 |

### Biology

|                       |   |          |
|-----------------------|---|----------|
| Dr. David Cone        | Biology of fish parasites   | \$20,660 |
| Dr. Thomas Rand       | Taxonomy colonization and attachment of pathogenic fungi on salmonid eggs from Nova Scotian fish hatcheries | \$12,000 |
| Dr. Douglas Strongman | Physiological studies on insect pathogenic Hirsutella species Deuteromycotir                                | \$10,000 |

### Chemistry

|                        |   |          |
|------------------------|---|----------|
| Dr. William Jones      | Spectroscopy and kinetics in the gas phase and at the gas surface interface | \$18,886 |
| Dr. Melbourne Schriver | New synthetic strategies for heterocyclic phosphorus chemistry equipment    | \$22,871 |
| Dr. Michael Zaworotko  | Aspects of arene chemistry equipment  | \$25,844 |
|                        |   | \$25,193 |

### Engineering

|                         |  |          |
|-------------------------|--|----------|
| Dr. Van Kamamidi Sastry | Behaviour of instrumented flexible piles subjected to eccentric and inclined loads | \$12,000 |
| Dr. V. Tarnawski        | Computer analysis and design of ground heat exchangers                             | \$12,000 |

### Finance and Management Science

|                     |  |          |
|---------------------|--|----------|
| Dr. Anthony Charles | Integrated models of fishery systems: industrial structures and dynamics   | \$17,500 |
| Dr. David Gray      | An analysis of fish stock assessment methods, their response to error, bias and biological assumptions, their interaction with fisheries | \$15,000 |
| Dr. Eric Lee        | The retrieval of images by computer from image databases   | \$20,000 |
| Dr. Harvey Millar   | Modeling and analysis of strategic, tactical and operational issues in fish processing firms   | \$8,500  |
| Dr. Muhong Wang     | 1) Further developments in hypergame analysis, 2) Statistical analysis of highway accident rates   | \$15,000 |

### Geology

|                     |  |          |
|---------------------|--|----------|
| Dr. Jaroslav Dostal | Geochemistry and Petrogenesis of some igneous rocks                                      | \$28,000 |
| Dr. Victor Owen     | Characterization of the Grenvillian Orogeny  | \$12,988 |
| Georgia Pe-Piper    | Relationship of magma evolution to deep structure in rift, back-arc and subduction zones | \$18,000 |
|                     | Nova Scotia Regional Geochemical Centre  | \$15,000 |
| Dr. John Waldron    | Deformed paleozoic continental margins in the Canadian Appalachians                      | \$21,100 |

### Mathematics and Computing Science

|                   |   |          |
|-------------------|---|----------|
| Dr. Robert Dawson | Combinatorial and abstract geometry   | \$12,000 |
| Dr. Arthur Finbow | On the well-covered graphs and related classes                                | \$6,000  |
| Dr. Bert Hartnell | Well-covered graphs and neighbour-connectivity                                | \$6,000  |
| Dr. Larry Hughes  | The incorporation of multicast and and multimedia in a hypermedia environment | \$14,000 |
| Dr. Paul Muir     | Interpolants and defect control for runge-kutta BVP software                  | \$13,390 |

### Physics

|                  |   |         |
|------------------|---|---------|
| Dr. Cameron Reed | Local galactic structure: galactic globular cluster reddening | \$9,000 |
|------------------|---|---------|

**Total: \$461,932**

## Project comes to term

A lunch was held March 21 to thank staff and members of the advisory board of "Making the Employment Connection," an Innovations Project devoted to helping persons with disabilities find meaningful employment. (L to R) Dr. Kenneth L. Ozmon presents a token of appreciation to board member Dr. Mel French, assisted by project co-ordinator Donna Marriam.





## Reggae wins over management science

# Love of music first in prof's books

by **Melanie Jollymore**

Dr. Harvey Millar readily admits that if his mother hadn't threatened to smash his guitar into a thousand pieces when he was a teenager, he might not be doing what he's doing today — teaching management science at Saint Mary's. He might even be strumming and singing jazz and reggae tunes in a hotel dance band in his native St. Lucia, a tiny Caribbean island just south of Martinique.

He recounts how he used to practice guitar for eight to ten hours every day, instead of studying for his Advanced Level exams, which he had to pass to get into university. In response to his mother's threat, he put his guitar away and studied hard for two months. The work paid off, and he passed with distinction.

"I had decided to become a professional musician, but academically, not just through playing. I wanted to get a music degree, majoring in jazz (abroad), then come back to St. Lucia and set up a music school." Millar explains that, "Music programs were, and are, very limited in St. Lucia. Kids learn folk songs in school, but they aren't taught music theory or how to read and compose music." He overcame this lack by teaching himself the intricacies of musical theory and composition.

Financial reality interfered in Millar's dreams: "I didn't have the money to get a music degree on my own, and the government wasn't offering scholarships to people to take music." So, he became a scholarship student in the new University of the West Indies industrial engineering program at the Trinidad campus, a program co-funded by CIDA (Canadian International Development Agency).

With a Bachelor of Industrial Education and a CIDA scholarship in hand, Millar came to Canada in 1982 to pursue his Masters at TUNS (Technical University of Nova Scotia). He finished this with flying colours, and started on a PhD, also in industrial engineering. He joined the faculty at Saint Mary's in 1988, becoming a tenure-track professor in 1989, and officially completed his PhD in 1990.

Teaching is second-nature to Millar, who says he always knew he wanted to teach. And, for a man of only 31 years, he has a tremendous amount of experience. "After I completed my A-Levels in St. Lucia, I taught junior high for a while. I also taught 'pre-college' teachers math and science. And when I was at TUNS, I taught computer simulations and manufacturing processes." He adds, with a laugh, "When I was growing up I played a lot of school where I was the teacher, teaching the neighborhood kids math and science."

Throughout all these years of teaching and learning, Millar kept up with his first love — music. He formed a jazz trio, "Friends and Music," that played its first gig on the front lawn of the TUNS architectural building on

Spring Garden Road. The band gradually added a few Bob Marley tunes to its repertoire, and things took off. "People really started wanting more and more reggae, so we started playing more," says Millar. These days, he leads two groups, the Caribbean Jazz Quartet (or Quintet), and Umoja, a reggae-calypto-zouk band that has attracted a large and loyal following in Halifax.

Umoja, whose name comes from a Kiswahili word meaning "unity," plays at the Flamingo Café and Lounge about four times a year — many people, including the band's fans and even its members, would like to see it play more often, but, as Millar says, "There really aren't very many places to play in Halifax." Now that

he has his PhD under his belt and a little more free time, he says he will investigate new



**Harvey Millar, doing what he likes best.**

venues. "But because I don't do this for a living, I'm pretty selective about where I'll play," he says.

While Umoja plays for sheer love of the music, it also plays for a good cause. Its occasional appearances at the Flamingo are more than a good time for those who like to dance to a reggae beat — they're fundraisers for the African Canadian Education Project (ACEP), of which Millar is co-founder.

ACEP got underway in 1988, almost by accident, when Millar and several other black programmers at Dalhousie's CKDU Radio (Millar hosts the station's popular "Caribbean Profiles" show) decided to have a party so they could play their own music. The plan was to raise enough money to pay for the sound equipment — about \$100. They ended up bringing in \$700.

"It was a pittance to split among five or six of us," says Millar, "so we decided to use the money to cover the fees to send two black kids to mini-university. We sent out notices asking kids to write us a letter, with their name, school, favourite subject, why they would like to go to university and how they would help the community when they grow up." Mini-university exposes kids aged 10-15 to academic subjects, like computer science, psychology and business, through two-week summer programs at Saint Mary's and Dalhousie universities.

Word got out about the plan, and not only did Dalhousie and Saint Mary's offer two free seats each, but money started coming in from people who'd heard about the program on the radio. "Whereas we started with a modest goal of sending two kids, we eventually sent ten," says Millar.

The venture was so successful, that people started asking if they would do it the next year, and, says Millar, "We started thinking 'what else can we do?' So, we formalized the group with the overall objective to expose kids in the 10-15 age group to as many educational opportunities as possible, to motivate them to aspire to a university education." At a time when the Canadian high school drop-out rate among the black community is 33 per cent, and even higher in Nova Scotia, the need to motivate is urgent, says Millar.

ACEP has grown rapidly since its beginnings. The

original founding four, consisting of Millar, Delvina Bernard (his wife), Crystal Mulder and Debbie Jones, has grown to about 12, and people keep joining. And, ACEP has expanded its activities. So far, it has organized campus tours for those kids not accepted into mini-university. ("The toughest thing is writing to those kids to say 'you can't come,'" says Millar.) The group also organized "Career Options," a program whereby 10 professionals from the black community got together with the youngsters to talk about their careers and experiences getting there, and what education is required to be, say, a lawyer.

ACEP is currently working on two new projects. "We're working on a mentoring program," Millar says. "Kids will be paired with professionals, who will take them into their workplace for a few days to give them a sense of what's out there."

The second project is more complicated, and involves the services of Chicago-based education consultant

Dr. Jawanza Kunjufu. "We're working to put together a Saturday school program, similar to other ethnic heritage schools in Halifax — Jewish, Italian and Hungarian, and so on." Millar explains the purpose: "We want to provide the children with a cultural education they don't get in the public school system, to help them be proud of their roots, to rediscover what belongs to them. There will also be an academic component, focusing on math, computer science and science."

Millar describes the program as "Afrocentric," and says it will provide kids with culturally-appropriate reference points. "Public school is taught from a Eurocentric viewpoint, and black students are judged by Eurocentric norms. They feel alien in those classrooms."

Not only does this system stifle creativity and a desire to succeed for these children, but it also fosters intolerance and a lack of understanding of diverse cultures for all students, regardless of ethnic background. Millar feels the only way to combat this is to have teachers from a variety of cultural backgrounds, so no-one feels alienated and everyone has a chance to see and appreciate other cultures.

"We (Canadians) all have immigrant backgrounds," Millar points out. "Canada calls itself a 'tolerant' society, but that's not enough. Tolerance is not acceptance and mutual respect, which are needed to form better relationships." Millar sees developing relationships among people of varied backgrounds as a long-term — very long-term — project. "It won't happen in our lifetimes," he says with conviction. He says its a struggle that sometimes burns him out. But, through Umoja and the African Canadian Education Project, Millar is more than doing his part to foster an appreciation of African culture, a desire for education and a chance for success among the black youth of Nova Scotia.



## WUSC Development Symposium 1991

Dr. Bridglal Pachai (L), Executive Director of the Nova Scotia Human Rights Commission, was the guest speaker at the opening session of the 1991 WUSC Development Symposium held on campus March 1 and 2. Dr. Pachai is seen here with Dr. Kenneth Ozmon, President of Saint Mary's.



## Thank you Peat Marwick Thorne

Peat Marwick Thorne has donated \$30,000 over a three-year period to Saint Mary's for research for the accounting profession. Seen here at the presentation of the first installment are (L to R) Dr. Kenneth Ozmon (President of Saint Mary's), Dr. Richard Chesley (Accounting Department), Dr. Colin Dodds (Dean of Commerce), Mary Jane Andrews and Paul Goodman (Peat Marwick Thorne).



**Meeting helps counteract apathy**

# Citizens' Forum at Saint Mary's

Students at Saint Mary's added their voices to those of other Canadians by participating in a Citizens' Forum on Canada's Future, held on campus on February 4. Associate Dean of Arts Geraldine Thomas organized the forum at the suggestion of student Nancie Earhard, a member of the Society for Excellence.

Political Science professors Dr. Don Naulls and Dr. Therese Arseneau and Professor Arthur Murphy, who teaches French in the Department of Modern Languages and Classics, led group discussions at the forum.

About 35 students, ranging in age from 18 to 60, came to voice their concerns about Canada's future. Following the guidelines set up by

the Spicer Commission, they spent about one-and-a-half hours discussing 14 points. Each of the three groups completed a group report, and each person completed an individual report following the discussion, which were sent to the Spicer Commission for inclusion in its final report, scheduled for release in July 1991.

"The students seemed most concerned with those questions having to do with Quebec and its relationship to the rest of Canada. They were deeply concerned about the fate of Atlantic Canada should the country begin to fragment," says Thomas, adding she was somewhat disappointed no French-speaking people came to the Forum. Another issue topping the list in the minds of the participants was that of the rights of native peoples within

Canada. She noted a general lack of interest in the questions about cultural and ethnic diversity.

Thomas sees the Citizens' Forum as a potential way to counteract apathy. "The prevailing attitude seems to be 'that'll never happen,' or, 'what could I do about it anyway?' We have to realize, as

Canadians, that this is our country, and it's up to us...we can't always look to someone else for leadership," she says. She was encouraged by the atmosphere at the forum, which conveyed a sense that "we should all try to do one or two small things, then see what happens."

## Champagne Soiree

Guests at a champagne soiree held March 7 in the historic McCully House on Brunswick Street included (L to R) Doris Maley, former deputy mayor of Halifax, Barbara Watt, Director of Community Relations, Technical University of Nova Scotia, and Dr. John Reid, Chairperson of the Donald Higgins Memorial Fund.



## Literary efforts

Dr. Rowland Marshall presented the prizes for the annual Joyce Marshall Hsia Memorial Poetry Prize, established four years ago in memory of his sister. Shown here (L to R): Bill Schermbrucker, temporary writer-in-residence;



Gordon Bradley, English major and first place winner; Nancie Earhard, German major and second place winner; Ayesha Adhami, English major and third place winner; and Rowland Marshall, Philosophy professor.

Kenyan-born novelist Bill Schermbrucker, temporary writer-in-residence, read from his novels *Chameleon and Other Stories* and *Mimosa*, at a fiction reading on March 14. Schermbrucker has been living and writing in British Columbia for the past 25 years.



# Workshop explores undergraduate research opportunities

by **Melanie Jollymore**

Undergraduate students have tremendous potential that may never be realized in a classroom or lecture hall environment, Norma McGavern, Director of the Undergraduate Education Office at the Massachusetts Institute of Technology (MIT) told Saint Mary's faculty on March 7. McGavern was on campus to help lead a workshop on the Undergraduate Research Opportunities Program (UROP), pioneered at MIT, and its potential application to Saint Mary's.

"The response to UROP among faculty members was overwhelmingly positive," says Dr. Peter Ricketts, organizer of the one-day workshop attended by 50 faculty members. As University Research Officer, Ricketts is also responsible for preparing a detailed proposal of how to implement UROP at Saint Mary's, to be reviewed later at the faculty and departmental levels.

The fundamental concept behind UROP is that undergraduate students have the ability, if given the opportunity, to perform well in a research setting and to learn from that experience. It was originally set up at MIT to give undergraduates a sense of place in a predominantly postgraduate institution. Ricketts points out that this certainly isn't the case at Saint Mary's, but that the pro-

gram would be altered to suit the University's needs.

Like MIT before UROP, however, some undergraduates at Saint Mary's are already involved in faculty research projects. What, then, is the point of introducing a formal program?

To this question, Ricketts replies, "The key word is opportunity. Currently, the students involved in research are hand-picked by faculty, usually on the basis of classroom achievement. A formal program provides a mechanism through which a student can approach a faculty member about getting involved."

The way UROP works, Ricketts explains, is that the names of interested faculty members and their research areas are published in a guide, available to all undergraduate students. Students decide on a professor and topic, and approach the professor through a preliminary proposal. If the professor feels the proposal is viable, the student follows up with a formal proposal and, if accepted, the project gets underway.

He stresses that the program he'd like to see at Saint Mary's would be as straightforward as possible. "I don't want to make it bureaucratic, and I don't want to force it. I just want to facilitate the process and help it spread, and therefore I don't want to impose too

many restrictions," he says. "Students wouldn't be restricted to their major, or even their faculty, for research projects. They would be allowed to pursue any topic of particular interest to them."

Students participating in UROP would do so for credit, following an initial, voluntary phase as faculty member and student feel each other out, says Ricketts. UROP projects could run for as short a period as one semester, or for as long as two or three years, and students could undertake more than one UROP project throughout their degree. Marks, 'pass' or 'fail,' would not be included in the student's QPA.

"At the end of the program, the student would receive an evaluation letter from the supervising faculty member, that they could attach to their résumé, almost as a letter or reference," says Ricketts.

There are many advantages for students who get involved in UROP. By working side-by-side with a faculty member in an active, teamwork setting, rather than in a passive 'lecturer-listener' setting, the student stands to learn more about the subject matter. But even more importantly, he says, "the student will learn how to conduct basic research, and how to think, evaluate, and make decisions."

He adds that many students might do

significantly better in a research setting, where there is more stimulation and the onus is on the student to perform. "UROP could uncover hidden talent and create some real success stories."

UROP could also give undergraduate students a chance to get published in academic journals and attend and present papers at academic conferences. "Not only student conferences, but full-fledged academic conferences," says Ricketts. "We might even look at setting up a fund to send students to conferences, such as the Learned Societies."

Students aren't the only ones likely to benefit from UROP. "From the faculty perspective, the program would help break down the barrier between teaching and research, because they would be teaching through research," he explains. In addition, the student would be providing the professor with free research assistance.

From the University perspective, UROP promises to help it uphold its commitment to excellence in undergraduate education. "When introductory classes had 30 students, it was easy for Saint Mary's to say it provided excellent individual services," says Ricketts. "Now that enrolment in most introductory classes tops 50, we have to look at new ways of improving the quality of education we provide to our students."



## Athletic Awards

Saint Mary's outstanding athletes were recognized for their achievements at an awards banquet April 4. Winners of the 1990-91 awards are:

Men's Basketball: Chris Rowarth  
Women's Basketball: Cindy Flynn  
Field Hockey: Heather Andrews  
Football: Paul Tonet

Hockey: John Gladiator  
Men's Soccer: Randy Thomas  
Women's Soccer: Suzanne Muir  
Volleyball: Ann O'Neill  
Female Rookie of the Year: Melissa Brassshaw, Soccer  
Male Rookie of the Year: Graeme Harvey, Hockey, and William Njoku, Basketball  
Female Athlete of the Year:

Suzanne Muir, Soccer  
Male Athlete of the Year: Chris Flynn, Football

Shown here: (above) Wide receiver Matt Nealon accepted the plaque for Male Athlete of the Year on behalf of former Football Husky Chris Flynn, three-time winner of the Hec Creighton Trophy for top player in the CIAU. Athletic Director Dr. Susan Natrass presented the award.

(Below) Female Athlete of the Year Suzanne Muir accepted her award from Dr. Kenneth Ozmon. Suzanne was co-captain of the Women's Soccer team, and was named 2nd team, All-Canadian this season.



## SMUSA 25 years old

Charter Day 1991 marked the 25th anniversary of the incorporation of the Saint Mary's University Student's Association. The Charter Day awards honoring student involvement were presented at a banquet on March 28 in the Theatre Auditorium. Winners include; Freshman of the Year: Erin Sinden;

Greg Brown Award for Sophomore of the Year: Eric Miller; Angus Langille Award for Junior of the Year: Nicole Phillips; Senior of the Year: Susan Wood; Kendon Matheson Memorial Award: Tracey Stone; Rev. J.J. Hennessey SJ Medallion: Christian Flynn; Award for Society Improvement: Radio Saint Mary's Association; Society of the Year: Environmentally Concerned Students' Society; Student Leader of the Year: Lynn Broderick; Silver M: Jennifer Garvey and Joe Wall; Gold M: Andrea McNair, Nancy White and Robert Wooden; Honorary Gold M (non-students): Bersy Frid and Dr. Grace Pretty; Literary M: Ayesha Adhami and Manni Wood.

## Women's basketball

Despite a slow start, the Women's Basketball Huskies finished the season in fine shape, with an eight-win, six-loss record. According to coach Jill Healy, the team's one-win, six-loss standing in early January was deceiving, "because we had been playing Dalhousie and University of New Brunswick, two of the top-ranked teams in the league. After that, we rebounded to finish the season on a seven-game winning streak."

The Huskies made it into the AUAA championships, losing to Dal in the semi-final by seven points. "It was a one-point game all the way through, until the last minute," says Healy.

Two of this season's most talented players were Cindy Flynn, 1st Team, AUAA All-Star, who led the league in scoring and placed ninth in Canada in scoring, and Charlene Falk, 2nd Team, AUAA All-Star.

Healy says the team finished the season on a high note that she hopes will carry over to next season. Most of the players will be returning, so the team has a lot of depth and talent from which to draw. "We're becoming more consistent and mature as a team," she says. "We're looking strong for next year."

## Hockey

Looking at the season as a whole, Hockey Huskies coach Norm McCauley says, "We have to be happy with the way we finished." Although the team didn't make it into the playoffs, McCauley says, "The players, rookies and veterans alike, made some major strides in their development, so we're looking solid for next year." The Hockey Huskies came out a little flat at the beginning of the season, due largely to the number of rookie players on the team, says McCauley. "It takes time for a team's chemistry to start to work. But by the second half of the season, the players really started to get a feeling for the team, and started to play for each other." He adds: "For the effort and commitment the team put forth, we really deserved a better fate." McCauley is optimistic about next

season. Even though the team will be a bit thin on veterans, there are many strong younger players—goaltender Graeme Harvey for example, who won the AUAA (Kelly Division) Rookie of the Year Award. The team will miss veteran John Gladiator, team captain, AUAA All-Star and team MVP for 1990-91, who is graduating with a BComm in May.

## Men's basketball

The Men's Basketball Huskies had a brilliant year in tournament play, winning both the Acadia Tip-Off and Dalhousie Classic tournaments in which they were pitted against some of the top-ranked teams in the country, such as Concordia and St. Francis Xavier.

The Huskies finished the regular season in fourth place, making it into the AUAA playoffs. Unfortunately, says coach Ross Quakenbush, the team pulled off one of its poorest games of the season in the semi-finals, losing to St. F.X., 81 to 55. "We were really disappointed," says Quakenbush. "However, we play in a tough league, and you win some and you lose some."

Quakenbush is proud of his players, particularly veteran Brian Thompson, who was named AUAA 1st Team All-Star. Chris Rowarth, the only player graduating this year, was named MVP. Rookies Will Njoku, Jeff Baltzer and Tom Dobson turned in excellent performances, and will be that much more experienced next year, says Quakenbush.

"We've learned a lot this year," he says. "Next year, we'll add a few more pieces to the puzzle, and continue on our quest for the national championship."

## Volleyball

This season, the third for the Volleyball Huskies, was a building season. "We had a really good year," says coach Joan Matheson, "particularly considering that seven out of 12 players were rookies." The team finished sixth in the nine-team league, one place up from the year before.

Highlights of the season were winning games against Dalhousie and Mount Allison universities, teams that finished the season ranked one and two, respectively. Matheson is particularly proud of two of her players, Monique Rafuse and Marlene Ouelette, who were named among the top 10 hitters at the Dalhousie Classic volleyball tournament.

Matheson says she is optimistic about the future. "All the players are eligible to return, and we'll probably only lose one player the following year." Veteran player and team captain Ann O'Neill, who was named team MVP for 1990/91, will return for her final year in 1991/92.

DEADLINE  
MAY 25, 1991

 Saint Mary's  
University

## Apply now for 1991-92 scholarships

- Achievement
- Named Undergraduate
- Part-time
- Alumni Leadership
- Saint Mary's U. Faculty Union

Information and applications  
are now available at the:

Financial Aid Office  
Student Services  
4th Floor, Student Centre  
420-5609

Deadline May 25, 1991  
Applications will not be accepted  
after this date.

Remember— you will not be considered for a scholarship unless you have submitted an application.