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# Saint Mary's Times

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Best Newspaper Award, 1991

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## Spring Convocation 1992

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Five distinguished Canadians will be honored at Spring Convocation on May 11.

Matthew W. Barrett

Honorary Doctor of Commerce



Roberta Bondar

Honorary Doctor of Science



Nelly Beveridge Gray

Honorary Doctor of Letters



Ovide W. Mercredi

Honorary Doctor of Civil Law



Anna M. Porter

Honorary Doctor of Letters



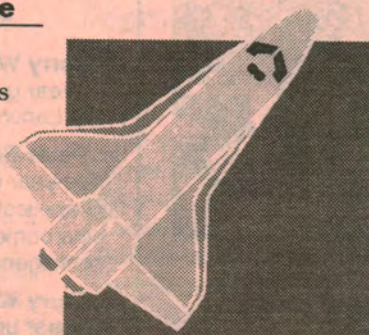
## Smiling astronaut a hit with Saint Mary's crowd

# One great ride!

by Claudine Laforce

"It was one great ride; one great launch," says Dr. Roberta Bondar of her January space mission. Bondar is the world's first neurologist in space and Canada's second astronaut to fly on a space mission. Over 1,200 people packed Saint Mary's Theatre Auditorium on March 19 to hear Bondar recount her January flight in the space shuttle Discovery. The public lecture also included Dr. Ken Money, Bondar's alternate as payload specialist for the flight.

After the two entered the auditorium to a standing ovation, Money told the audience "People are organized stardust. If you want to see stardust, look at your hand." Money, known as SPOC (Spaceload Operations Controller) to others on the space mission, coached Bondar from earth during the mission. He was charged with making sure the experiments were run as scheduled and was the go-between for Bondar and scientists



"I lined up some goldfish-shaped cookies so they were floating in a line. Then I came swimming up behind them and gobbled them up."

on earth for whom she was conducting experiments. The highlight of his talk was an interesting and sometime humorous slide show of training the astronauts went through in preparation for their flight. Besides showing them getting into safety suits and working in a weightlessness simulator, he showed slides on learning about special space toilets that require "some degree of accuracy to use."

Money also defended the expense of the space program saying, "We live now in the Garden of Eden, but earth will not always be this way. With space flight, we can happily be living somewhere else when the earth



Dr. Ken Ozmon, Dr. Roberta Bondar and Mr. Ted Flinn, QC, Chairman of the Board pose for a photo before a luncheon held in honour of Dr. Bondar on her visit to Saint Mary's.

explodes... We homosapiens will become homosapiens."

The crowd cheered as Dr. Bondar approached the podium. She told the audience that her co-workers referred to her as the 'smiling astronaut in space' because "I couldn't stop smiling after I was chosen." With a background in neurology and clinical and basic

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## SSHRC funding for faculty up 84 per cent!

Researchers at Saint Mary's have beaten the odds in the grants they have been awarded for the coming academic year. Both the Social Sciences and Humanities Research Council (SSHRC) and the Natural Sciences and Engineering Research Council (NSERC) received a four per cent increase in funding from the federal government. Saint Mary's researchers have received a remarkable 84.5 per cent increase

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## Cans for Charity

Saint Mary's student Ewan Walker sits amid some of the tin cans and food donations he and fellow students collected in aid of the Salvation Army. Loyola, 21st Floor won for the most canned goods collected (73 cans), Rice, 11th Floor won for the most aluminum cans (6 bags) and Rice, 4th Floor won for best overall collection (23 canned goods and two bags of aluminum cans). Each of these floors wins five large Domino's Pizzas, cases of Pepsi and flats of Oland's beer.





**Honorary degree recipient named to Canada Council chair**

# Fears of social science funding cuts eased



**Dr. Paule Leduc**  
the Social Sciences and Humanities Research Council with the Canada Council...

Saint Mary's researchers in the fields of the social sciences and humanities are breathing a little easier than they were in February when the absorption of the Social Sciences and Humanities Research Council by the Canada Council was announced in the federal budget. The appointment of Dr. Paule Leduc as director of the Canada Council and confirmation of funding increases for SSHRC for the next four years has calmed some of their fears. Dr. Leduc, who received an honorary doctor of letters degree from Saint Mary's in October 1990, is the president of SSHRC and will become director of the Canada Council when the two organizations are formally merged. When announcing Leduc's new

position, federal Communications Minister Perrin Beatty also announced that SSHRC, along with the Natural Sciences and Engineering Research Council (NSERC) and the Medical Research Council (MRC) will receive an annual increase of four per cent to their budget each year for the next four years. The press release announced that SSHRC will receive an additional \$40 million for university research and training over the period 1992-93 to 1995-96.

Research Officer Dr. Peter Ricketts says of the appointment and the funding announcement, "This news does a lot to allay the fears of the academic community about the priorities that will be placed on the social sciences and

humanities in the new Canada Council." Of the four per cent increase, he says, "It is as good news as we could expect under the present financial circumstances. However, given that SSHRC is under-funded in relation to NSERC and MRC, it maintains that relative level of under-funding."

At its March meeting, Saint Mary's Senate passed a motion, moved by Dr. Ricketts, expressing concern about changes to SSHRC. It read: "that Senate expresses its deep concern over the potentially

adverse implications of the recent federal budget for university research, in particular the amalgamation of the Social Sciences and Humanities Research Council with the Canada Council..."

## Meet Dr. Bondar

Ten first year Canada Scholars had the opportunity to meet and talk to Dr. Bondar (front, right) at a luncheon on March 20 in her honour.



## Astronauts charm local crowd

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science research in the nervous system, Bondar performed 55 experiments in space, many of them developed by Canadian scientists.

She showed a video made during the space flight and said, "I saw some beautiful things and I saw some troubling things. The clouds looked like blobs of whipped cream but I could also see the great puffs of smoke resulting from land clearing operations." She also said that she liked gazing at the earth. "It was my home; my planet. It (the space flight) was a wonderful, thrilling time for all Canadians."

During the question and answer session, youth lined the centre aisle for their chance to ask questions. A question by one youngster on what Bondar liked best about the space flight prompted the answer, "I had a lot of fun playing with my food. One time I waited until I was all alone and I lined up some goldfish-shaped cookies so that they were all floating in a line. Then I came swimming up behind them and gobbled them up."

After the entertaining lecture, Dr. Bondar and Dr. Money signed hundreds of autographs, many of them for girl guides for whom Dr. Roberta Bondar is a role model. She became an honorary life member of Girl Guides of Canada in 1986.

Dr. Bondar returned to campus the next day to view the Burke-Gaffney Observatory and to attend a luncheon in her honour, hosted by Dr. Ozmon and attended by senior administration and the first-year Canada Scholars. She also attended Saint Mary's opening CIAU basketball game at the Halifax Metro Centre Friday

evening where she threw the opening toss in front of over 8,000 basketball fans who gave her a standing ovation.

## SSHRC funding up

From page 1

from SSHRC and a 20 per cent increase from NSERC.

"I am delighted," says Dr. Colin Dodds, Vice-President, Academic and Research. "This is further external confirmation of the importance of research at Saint Mary's." Research Officer Dr. Peter Ricketts also comments, "I am thrilled," and adds, "This shows the quality of the applicants and the quality of their applications. It is particularly impressive, given the new criteria under which SSHRC operates. These put emphasis upon the quality of the applicant as a recognized researcher."

SSHRC funds awarded in the 1992 competition amounted to \$261,024, compared to \$141,501 the previous year. These awards are spread over one, two or three years, as shown in the tables accompanying this article.

NSERC funding for 1992-93 totals \$497,404, compared with \$413,868 for 1991-92. Thirty-five applications to NSERC were made and 29 of them were accepted, for a success rate of 82.8 per cent. The generally accepted rule of thumb for NSERC is that it aims to fund 50 per cent of the people who apply.

## Research grants 1992-93

### SSHRC competition results, 1992

(The figures quoted are for the full period of the grant)

**Dr. Terry Whalen (English)**  
Two-year grant \$13,960  
Philip Larkin and literary tradition

**Dr. Peter Ricketts (Geography)**  
Three-year grant \$73,000  
GIS applications in coastal environmental emergency contingency management

**Dr. Terry Wagar (Management)**  
One-year grant \$9,496  
The relationship between firm performance and human resource management practices: employee programs in Atlantic Canadian firms

**Dr. Heather Chipuer (Psychology)**  
Three-year grant \$90,000  
Sibling and parent-adolescent relationships: a family systems perspective

**Dr. Pat Connelly (Sociology) and Dr. Martha MacDonald (Economics)**  
Three-year grant \$74,568  
The missing middle— missing women

### Continuing grants

#### Accounting

Dr. Alice Ireland

#### English

Dr. Russell Perkin

#### History

Dr. Elizabeth Haigh

Dr. Colin Howell

#### Management

Dr. Terry Wagar

#### Modern Languages and Classics

Dr. Karin Flikeid

**Total funding from SSHRC for the academic year 1992-93 is \$195,551.**

### NSERC awards

#### New operating grants

(These are three-year grants, the figure given is for the first year)

**Dr. George Mitchell (Astronomy)**  
\$42,500  
Interstellar clouds and outflows

**Dr. Keith Vaughan (Chemistry)** \$18,810  
The chemistry of anti-tumour triazines

**Dr. Mike Zaworotko (Chemistry)** \$26,810  
Arenes: covalent and non-covalent bonding

**Dr. Vlodek Tarnawski (Engineering)** \$15,000  
Heat and moisture transport properties of soils

**Dr. Tony Charles (Finance & Management Science)** \$21,000

Integrated bio-socio-economic modelling of fisheries and aquaculture industries

**Dr. Victor Owen (Geology)** \$22,000  
Petrology of chrySTALLINE rocks, southeastern Labrador

### NSERC equipment and infrastructure grants

**Dr. Douglas Strongman (Biology)** \$8,747  
Purifier cabinet

**Dr. Eric Lee (Finance and Management Science)** \$13,607  
Sun Sparcstation 2 GX

**Dr. Harvey Millar (Finance and Management Science)** \$25,926  
RISC System 6000 workstation

**Dr. Jaroslav Dostal (Geology)** \$18,354  
Detector for neutron activation analyses in the N.S. Regional Geochemical Centre

### Continuing operating and other grants

#### Astronomy

Dr. David Turner

#### Biology

Dr. David Cone

Dr. Tom Rand

Dr. Douglas Strongman

#### Chemistry

Dr. Mel Schriver

#### Finance and Management Science

Dr. David Gray

Dr. Eric Lee

Dr. Harvey Millar

Dr. Wang Muhong

#### Geology

Dr. Jaroslav Dostal

Dr. Georgia Pe-Piper

Dr. John Waldron

#### Mathematics and Computing Science

Dr. Robert Dawson

Dr. Art Finbow

Dr. Bert Hartnell

Dr. Larry Hughes

Dr. Paul Muir

#### Physics

Dr. Cameron Reed (Physics)





# Canada then and now

**Back to the basics on constitutional reform**

## Give us principles and a Triple-E Senate—Wells

Newfoundland Premier Clyde Wells spelled out his personal recipe for constitutional reform and the salvation of Canada to an enthusiastic audience in the Theatre Auditorium on March 23. He suggested Canada abandon the current process and return to basics. Focusing on principles not emotion and creating a Triple-E Senate were the foundations on which the former constitutional lawyer based his case. He also believes we should, "Ask the rest of Canada to be sensitive to the legitimate concerns of Quebec...also ask Quebec to recognise that the rest of Canadians have a high sense of personal dignity and being Canadian

and belonging to this nation."

Referring to the Meech Lake crisis of 1990 he said, "We are in a situation where history may be repeating itself to a greater degree than we would like." The process chosen by government for finding a solution to the constitutional dilemma, "gives us 80 days to save Canada," he said. "All of us are still discussing these issues in emotional terms, instead of trying to deal with them on the basis of merit, determined by intellectual assessment of principles."

Wells does not believe that our constitutional future should be determined by "political horsetrading".

He says, "If we consider all the issues on the basis of principle we are more likely to develop an acceptable national consensus," although he is aware that in a country where geography leads to so many different interests, flexibility must be built into the decision-making system.

Step one is to establish these principles, after agreeing that nobody has the right to declare unilaterally what they are. Premier Wells outlined what he felt would probably emerge as the guiding principles in Canada:

**1. Canada is more than the sum of its parts**

"There is more to being a Canadian than being a resident of one of the provinces or territories," he said. "Canadians should be prepared to recognize the place of the nation and put Canada first."

"Canadians should feel at home in all the provinces and, with some restrictions due to language, should be able to make a living in all parts of the country."

"We must maintain a nation that is capable of preserving an adequate level of jurisdiction and taking its place on the international scene."

**2. Equality of citizens**

Canadian citizens are equal, wherever they live, of whatever religion or color they are. This includes the right to equality of representation, meaning that the House of Commons should represent individual voters. "If Ontario has 36 per cent of the population, it must have 36 per cent of the members of the House of Commons," said Wells.

**3. Equality of the provinces**

Premier Wells believes that the equality of the provinces was fundamental in the original confederation agreement. He explained that when provinces joined they gave up certain powers, on the understanding these would be taken over by Ottawa. They would not have surrendered these powers if they felt one or other province would be dominant in these areas. Pointing to the American system, where one house represents people and the other the states, Premier Wells said, "A Triple-E (equal, effective and elected) Senate is fundamental to the future successful operation of the nation." He pointed out that today Nova Scotia has 10 senators, while British Columbia and Alberta have only six. He believes that



L to R: Newfoundland and Labrador Premier Clyde Wells talks to Dr. Shripad Pendse (Chair, Visiting Speakers Committee) and Dr. Owen Carrigan (History) after the public lecture

## Pre-confederation Canada—a new view

**History prof part of textbook research team**

"Although much of the world considers Canada a rather dull place...the truth is more exciting," says the opening line of *Colonies: Canada to 1867*, a new history of our country co-authored by Dr. John Reid (History). "Whether we like it or not, this is a complex country...we can never understand Canada today unless we make its historical complexity part of our understanding. This is a country that really takes an effort to understand; it is not a lazy person's country," says Dr. Reid.

Dr. Reid is one of six historians who have contributed to the book, which is published by McGraw-Hill Ryerson, and is a companion volume to *Nation: Canada since Confederation*. He describes the two volumes as "The first book of its kind that really accommodates and synthesizes the new direction in social history that has been developing in the last 10 to 15 years." He adds, "We attempted to integrate the history of aboriginal peoples, the history of women, the history of other disempowered ethnic groups." It is also written post-Meech Lake, which means it describes with a sense of urgency the relevance of how Canada became what it is to the problem of what it will become.

After looking at native culture, early traders and French and British colonization, the book arrives at the period from 1864-1867, Confederation itself, one of the chapters written by Dr. Reid. He points out that "The social group that went to the (Confederation) conferences was really quite narrow." The group now known as the Fathers of Confederation came largely from the white, merchant community and many of the motives

for binding the colonies together were economic.

Setting the scene for 1867, Dr. Reid explains the tumultuous times they were set in, "Britain was withdrawing, the United States were in the chaos of civil war, and the whole of British North America was entering the turmoil of industrialization." He describes the work of the Fathers of Confederation as "trying to come to terms with that and make new structures to accommodate the social, political and economic changes they saw around them." Because of the narrowness of their background, he says, "While 1867 remains important, there was a great deal of the process still to come, in terms of making the country responsive to the needs of people outside the interests of that narrow group."

Dr. Reid's other chapter is on regionalism in pre-confederation history. He is a recognized expert on Atlantic Canada and says of this chapter, "I did not really anticipate how many very interesting and important issues I would have to grapple with. My outlook on regionalism had always been from an Atlantic Canada perspective; the challenge was to look at regionalism in a pan-Canadian context."

Dr. Reid and his fellow authors, "hope the book will make readers curious and critical and, above all, willing to make that bit of intellectual effort demanded to make the country comprehensible."



a Triple-E senate in which each province has the same number of senators would, "give an effective voice to the equality of the provinces." Arguments against such a system he described as "Horsefeathers."

Wells then outlined two matters so important to Canada that they justify inclusion in the written constitution.

**Aboriginal people**

He said, "the first of these is the position of the aboriginal people," and described how, until very recently, their concerns have been ignored.

**Equality of French and English**

Referring to it as the "third equality", Premier Wells described the way in which the Fathers of Confederation settled the differences between English and French Canada in Charlottetown in 1867. "They said, 'Let's agree to build a single nation that...has two official languages, uses two legal systems and will build upon two primary cultural groups.'" He explained, "That was the arrangement made in 1867, and our fundamental problem since then is that we have never found an effective means of give a voice to this third equality," and added, "I believe we are duty bound to honor this."

**Ensuring Quebec's distinct society**

Wells' solution to ensuring that Quebec's distinctness would be reflected in decisions of government is, "by providing for a double majority vote in Senate" on matters relating to this distinctness, but he added, "there is no justification for agreeing that Quebec should have a veto in national affairs."

His advice to Canada is to "Step back from the emotional and political approach and identify principles acceptable to the whole nation, because this is what is important. It must be acceptable to the people of Canada." He added, "Everything does not have to be identical but it must be fair and balanced and I believe that is all Canadians are really asking for."



## Computers bring Joy to people with disabilities

Light wands, voice synthesizers, Braille printers, head-controlled mice, key repeat eliminators, voice recognition systems, large print processors... Joy Aberback of Computer Services saw some of this technology aimed at helping people with disabilities on her recent trip to Apple Computer Inc. in Cupertino, California.

"From what I've seen, read and heard, I'm impressed at how personal computers are helping people with disabilities participate more fully in life," comments Joy, then adds, "Computer companies are focusing a lot of their research and development efforts on creating computer systems and software targeted at the disabled."

Some computer companies are building programs for the disabled into the operating systems of their off-the-shelf computers. The Macintosh, for example, has a Close View function that magnifies text for sight-impaired users, key repeat eliminators and sticky keys for mobility-impaired users and a flashing menu bar instead of sound cues for hearing-impaired users.

There are many other hardware and software packages available but Joy stresses that it is important to find the computer that fits each person's disability. "There is no 'best' hardware or software for everybody," explains Joy. "The retailer must focus on the individual user and explore whatever limitations that individual might have that could get in the way of using a computer. The individual may not be able to use a standard keyboard or mouse or may not be able to see text or graphics on the screen. As a result, the computer must be matched to the individual's needs and abilities."

Apple Canada Inc. is setting up an office in Halifax which will display computer solutions for people with disabilities. Says Deborah Crozier, account consultant with Apple Canada, "We want to establish an information resource and research centre for people with disabilities... a place to call or visit if they need a computer system designed to meet their individual needs."

Plans are to have the centre up and running by the fall at the Hearing and Visually Impaired Association of Nova Scotia on South Street in Halifax.

## Futurist to visit campus

Students and faculty will have an opportunity to meet futurist and author John Naisbitt on May 26, when he will be in Halifax for the first in an invitational lecture series sponsored jointly by Saint Mary's Faculty of Commerce and MT&T.

The lecture series will bring

## Premier Cameron calls for 'shock treatment' at MBA luncheon

by Claudine Laforce

"Nova Scotians need some shock treatment to see where we are and what we need to do to survive," according to Premier Donald Cameron, guest speaker at the Annual MBA Business Luncheon sponsored by the Saint Mary's University Alumni Association, MBA Chapter.

Premier Cameron admitted that Nova Scotia is going through tough times and says its number one priority must be to get rid of the deficit. "We spend 18 cents of every dollar servicing the debt; the highest in the country," said Cameron. "We have to stop borrowing money to service the grocery bill."

"We've had to make some tough decisions and they're working. If we want new programs, we have to be willing to pay for them," says Cameron. He went on to say that these new programs won't be paid for through additional taxes. Instead, he commented, "When we balance the budget, we'll look at tax reduction."

The majority of government money goes to four areas: health, education, social services and the debt. According to Cameron, we could shut down the rest of government but if we don't control these four, we could be in real trouble.

### Education, social services and health care

Cameron said we can't equate quality of education with money spent in this area. He compares the 6.8 per cent of government funds used for education in Canada to the 4 to 5 per cent spent in Europe and the 6 per cent spent in the United States. "We have to look from within and be more realistic," said Cameron. "We can't afford to meet the expectations of everyone; but we



Premier Donald Cameron

do want to meet the challenges and do something about them."

Cameron also says the image of the government as hard-hearted and uncaring in the area of social services is not true. Last year, after cutting back on spending, the government introduced several new programs including medical care for dependents of people on disability and a school lunch program for needy children.

In the area of health care, the Premier pointed out that Nova Scotia spent over \$1.4-billion last year. With an average of six visits per person, per year to the doctor, we are one of the highest spenders in health care in the country. This could be combatted by bringing back a small user-fee which could discourage unnecessary visits, according to Cameron.

### Balancing the budget

"We cannot buy our way to prosperity but we do need to have a tax climate better than our competitors," Cameron continued, "This won't be easy because it goes against what politicians have told people for years."

Though he wouldn't give details on his plans for university rationalization, the Premier did say that there is always room for improvement through cutting duplication and reducing costs of operations. "We must force ourselves to be more self-sufficient."

Premier Cameron concluded his presentation saying, "We are first in debt and first in patient visits in the country; let's hope we can lower both!"

### Take the day off!

And the winner is... Susan Cannon of library requisitions!! Susan was the winner of a paid day off work, the grand prize in a Skate into Spring Party for faculty and staff sponsored by the Wellness Committee on 20 March. Here, Susan receives the gift certificate for her day off from Campus Recreation Co-ordinator, Kathy Mullane.



## Fraud and fantasy trouble archaeologists

Did the Vikings trek west to Minnesota? Can you find treasure on Oak Island by consulting a psychic? Were the pyramids built by visitors from outer space? These are just a few of the controversial topics which will be discussed at a symposium on "Alternative

Archaeology" to be held in Halifax May 1 and 2. The symposium is sponsored by Saint Mary's University, the Nova Scotia Archaeology Society and Canadian Parks Service. Dr. Paul Erickson of Saint Mary's Anthropology Department, who is the current president of the Nova Scotia Archaeology Society, is on the organizing committee.

Alternative archaeology, or "cult archaeology", are terms used to refer to unusual or bizarre explanations for the origins of humans and the evolution of societies. Dr. Erickson thinks professional archaeologists should study this phenomenon, to find out, "whether there might be some truth to some of these things and why people turn away from traditional archaeological explanations. Why are their needs not being

met by the scientific community?"

Professional archaeologists believe that such non-scientific or anti-scientific explanations should be challenged, rather than allowed to remain part of public consciousness about human origins and the causes of past social change. The debates generated at the symposium are expected to be of particular interest to people with either a professional or a personal interest in making sense of unorthodox claims about the past.

The symposium includes a public lecture on "Frauds, Myths and Mysteries: Science and Pseudoscience in Archaeology," by Professor Kenneth Feder of Central Connecticut State University.

For more information, contact the Anthropology Department at 420-5628.



## Pattern of downward intellectual mobility

# Classrooms a "chilly climate" for women

by Claudine Laforce

- Men generally talk more than women.
- Women exert more control over the topic of conversation.
- Men and women have different talking styles.

These statements faced the participants in two gender equity in teaching workshops sponsored by Saint Mary's Quality of Teaching

## Workshop combats racist teaching

Faculty members and students from Saint Mary's and other Metro universities packed a classroom in Loyola on April 3, to learn about racist teaching and how to combat it. The half-day workshop was organized jointly by the Anti-Racist Teaching Network (ARTN) and Saint Mary's Quality of Teaching Committee. Dr. Harvey Millar (Finance and Management Science), a member of ARTN, opened the workshop with a verbal and a visual statement—he was magnificently garbed in a purple African costume.

ARTN believes that most faculty are not intentionally insensitive to racial and cultural issues, but examples given at the workshop made it clear that incidents do occur in which students are offended by the way their cultures are depicted in some courses.

The keynote speaker was Delvina Bernard, acting-director of the Transition Year Program at Dalhousie University. She defined racism as *prejudice plus power*, and suggested that universities put their efforts to eradicate racism on the same level as community issues like pay equity and sexual harassment. A policy to eradicate racism should be put in place at the board of governors level, she said. This policy should be supported by a plan which includes affirmative action in recruitment and curriculum screening to ensure faculty do not use material with a racial bias.

Bernard advised the people at the workshop to take Michael Jackson's advice and, "Start with the man or woman in the mirror". They were told to learn to recognize racism, read books on the subject, attend events on campus that focus on fighting racism, make a friend or colleague of someone from a different race and, in the case of faculty, review their teaching methods and have their material checked for inadvertent racism.

The Anti-Racist Teaching Network was formed by a collective of students and faculty to address the issue of racial and cultural bias in university teaching.

Committee and the President's Advisory Committee on the Status of Women on Friday, 27 March.

Workshop leader was Dr. Bernice Sandler, a Senior Associate with the Center for Women Policy Studies in Washington, D.C. In total, 45 women and 15 men attended the workshops to learn about ways to redress gender equity in teaching.

In the afternoon, women and men from a wide range of faculties as well as several staff members broke into groups to discuss whether the three statements listed on the board were



(L to R): Andrea John (library) and Dr. Bob McCalla (geography) chat with Dr. Bernice Sandler during a break in the afternoon gender equity workshop.

true or false. The final answers were: **True**, men generally talk more

than women in a business or classroom environment but women talk more in a social environment; **False**, men usually exert more control over the topic of conversation. According to Dr. Sandler, "One woman entering a group of three men can rarely change the topic of conversation while one man entering a group of three women can usually change the topic within 10 seconds; and **True**, men and women do have different talking styles. According to Dr. Sandler, women tend to talk politely, tentatively and qualitatively, often adding tag questions on to their statements such as 'It's cold in here...isn't it?', while men are more forceful in their statements.

Children often develop these styles after they enter the classroom. According to a report released in February by the American Association of University Women, sexism may be the most widespread and damaging form of bias in the classroom. The report, which summarized 1,331 studies of girls in school, describes a pattern of downward intellectual mobility for girls. It found that although girls entered the first grade with the same or better skills and ambitions as boys, all too often, by the time they finished high school, 'their doubts had crowded out their dreams'.

Dr. Sandler explained, "When a young boy is good at math, he is described as smart or gifted while in the same circumstances, a young girl is described as hard-working. When a young boy speaks out in class with an answer he is often congratulated for his response while a young girl is often scolded for her boldness in raising her hand," explains Dr. Sandler.

These problems often move into the college ranks, according to Dr. Sandler. Studies have found that faculty make more eye contact with men than women, which shows that what they are saying is more important than what the women are saying. Faculty often give men more detailed instructions so they can complete a project themselves while they will help or coach women, portraying that the women are not as competent as the men.

"Most faculty want to treat all students fairly and as individuals with particular talents and abilities. However, some faculty may overtly—or more often, inadvertently—treat men and women students differently in the classroom and in related learning situations," says Dr. Sandler. This is true for both women and men faculty but research has shown that "people are more comfortable talking to people of their own gender; that's why we need to increase the number of women faculty in universities," says Dr. Sandler, concluding, "the success of equality is when the mediocre woman gets as far as the mediocre man."

## Commkit software affordable for all

"Computers, networks and information access are the primary components of the Information Age. Data communications is the link that binds these components together," says Dr. Larry Hughes, a professor of Computing Science and author of the book and software package, *Data Communications*, recently released by McGraw-Hill.

Drawing upon his wide experience in the telecommunications industry and his years of teaching data communications, Dr. Hughes spent two years preparing a text that included the Commkit

software package. The book and software package, retailing at \$44.95, are targeted at computer professionals who want to learn more about data communications and upper-level university students who are taking courses in data communications. *Data Communications* presents broad coverage of the subject, while offering in-depth treatment of such topics as point-to-point communications, network analysis tools, multiplexers, wide area networks, and local area networks.

"The original purpose of the text was to allow colleges and universities that couldn't afford expensive communications equipment to teach practical courses in data communications," explains Dr. Hughes. "Since the Commkit software emulates several local area networks, a department could teach about communications without having to purchase one or more of these networks."

An early version of *Data Communications* and Commkit software gained widespread popularity in many colleges in the United States. Says Professor Elizabeth LeBoffe of St. John Fisher College in Rochester, New York, "The use of Commkit has been helpful in...providing the students with a practical, hands-on approach to data communications at a very low cost."

According to McGraw-Hill, the first 3,000 copies of *Data Communications* are sold out. Over 1,500 copies were distributed as the main selection of the Computer Professionals Book Club, and the book is now in its second printing. Several Canadian schools have shown an interest, as have schools in Portugal, Puerto Rico and across the United States.

## Shrimp named for geology professor



A newly-discovered species of seed shrimp with a beautifully sculptured shell has been named *Stigmatocythere siddiquii* after Dr. Q.A. Siddiqui of the Geology Department. The 55-million year old fossil was named by Dr. M.C. Keen and Dr. A. Racey of the department of geology of the University of Glasgow in the *Journal of Micropalaeontology*, volume 10, part 2, pages 227-233.

This honor was bestowed on Dr. Siddiqui in recognition of his work on tertiary seed shrimps (crustacea ostracoda) from western Asia and eastern Africa. The genus *Stigmatocythere* was described by Dr. Siddiqui in 1971. *S. Siddiqui* lived in a shallow seaway over what is now Oman.



## Consortium of universities could prepare teaching modules

# Educate a woman and you educate a nation (Proverb)

**I**MAGINE WOMEN IN developing countries enrolled in a course which covers nutrition, health, education, the law, environmental issues and other subjects, through a distance education program which provides them with information tailored to their own cultural backgrounds. Just such a program was the subject of a week-long seminar at Saint Mary's in early April.

The seminar was organized by the Commonwealth of Learning (COL), a Vancouver-based agency set up by Commonwealth governments in 1987 and funded by member nations. It came to Saint Mary's, says Sherrill Whittington, senior program officer with COL, "Because I was asked to develop courses on women and development and I wanted to find a Commonwealth university already focusing on this area."

For the last four years, Saint Mary's hosted the Summer Institute on Gender and Development (SIGAD), which brought professional women from developing nations or cultures to campus to study the research skills they need to foster development in their own countries. This year, there is no SIGAD, but Whittington sees the COL initiative as, "a way of building on SIGAD. It is a way of applying the multiplier effect to what Saint Mary's has done over the last four years." Her vision goes further even than incorporating ideas from SIGAD. "It is possible to look to the women who did that program to see if they could form part of a team to get this off the ground. The women who attended the summer institute could become facilitators," she says.

If the dream comes true, a consortium of universities, co-ordinated by COL, would prepare modules that could be available in print, audio or video tapes, or on radio or TV. The program would

## Saint Mary's hosts seminar which could see education circle the globe



A reception was held for participants in the Commonwealth of Learning seminar. L to R: Dr. Pat Connelly, Maxine McClean (University of the West Indies), Sherrill Whittington and Rekha Sharma (Indira Gandhi National Open University)

deal with the basic subjects women around the world desperately need if they are to fulfil their potential role in the development of their countries. Whittington believes accessibility is a vital aspect of the project. She sees the program working at many educational levels and particularly as an opportunity to open up this type of awareness to women without an academic background. It could culminate in a diploma or certificate and Whittington says, "I am particularly concerned about women who may want to have this as a qualification."

Saint Mary's Summer Institute co-director Dr. Pat Connelly (Sociology) is excited about the possibility of Saint Mary's becoming the Canadian link in such a program.

"The SIGAD team has spent four years developing a curriculum and a feminist pedagogy around gender and development issues," she says, "so we are pleased to contribute our experience and continue our work through this very important initiative."

**H**OW WILL THE PROGRAM work? "It will be an equal partnership between all the universities involved, whether in developed or developing countries," says Whittington. Once the modules are developed, she hopes they will reside at COL, which will operate as a knowledge bank. She explains, "I believe that each module will need

several versions." They will have to be tailored to the culture of the area where they will be used, so that appropriate legal or medical problems are dealt with and advice on nutrition refers to the kinds of food the women are used to.

When will the program start? Whittington believes that, if all goes well, the first modules could be available in 1994. She also hopes that it will be possible to announce the program at a meeting of Commonwealth ministers responsible for women's affairs scheduled to take place in Cyprus in 1993. Some modules already in existence may be used. Simon Fraser University has worked with the University of the South Pacific to create a series of modules called the South Pacific Community Nutrition Training Project which could be the basis of a culture-specific series.

How will it be funded? It should be possible to obtain funding for creating the modules from international agencies, says Whittington, but she stresses they must be made freely available. "Institutions will be the donors," she says. "This involves the whole issue of sharing materials and resources."

The seminar was attended by representatives of the University of the South Pacific, the University of the West Indies, the University of Lagos, the Indira Gandhi National Open University in India, Murdoch University in Australia and the University of Zimbabwe; all institutions which are dedicated in whole or part to distance education. In addition, representatives of York University and Dalhousie University took part. Dr. Pat Connelly, Dr. Jo-Anne Fiske, Dr. Martha MacDonald and Ms. Linda MacDonald represented Saint Mary's.

Visiting Wolfville to  
celebrate spring?

Watercolor Paintings  
by  
**Ursula Bohlmann**

Secretary to the Dean of Commerce

on display at

Carriage House Gallery  
Wolfville, Nova Scotia  
April 25 to May 23

### Public lecture

**FRAUDS, MYTHS AND  
MYSTERIES: SCIENCE AND  
PSEUDOSCIENCE IN  
ARCHAEOLOGY**  
by

**Professor Kenneth Feder**  
Central Connecticut State  
University

**8:00 pm, Friday, May 1**  
**Delta Barrington Hotel**

*Part of Alternative  
Archaeology: A World of  
Wonder, a symposium  
taking place May 1-2, at  
the Delta Barrington Hotel*

### Management Development for Women

The first class in the Management Development for Women program, a co-operative venture between Mount Saint Vincent University and Saint Mary's, designed to help women develop the skills they need to move up the



management ladder. L to R: (front) Barbara Dorey, Native Council of Nova Scotia; Susan McIsaac, Mount Saint Vincent University; Dianne Fitzgerald, Halifax District School Board; Jacqueline Warrington, Public Works Canada. (Back) Lisa Tilley, Halifax YWCA; Stella Hollett, CIBC-Data Centre; Ellen Froid, Saint Mary's; Lila Zwicker, CFB Halifax; Marian MacKinnon, Dalhousie University; Barbara Bell, WATER Research Associates; Carolyn Humble, Murray Spencer Co. Ltd; Evelyn Barkhouse, Metro United Way; Louise Cornish, LASMO Nova Scotia Ltd; Gloria Samson, Workers' Compensation Board of Nova Scotia.



# Five to be honored at convocation

**A**T CONVOCATION ON May 11, Saint Mary's will confer honorary degrees on five distinguished Canadians. Matthew W. Barrett will become an honorary Doctor of Commerce, Roberta L. Bondar an honorary Doctor of Science, Nellie B. Gray and Anna Porter, honorary Doctors of Letters and Ovide W. Mercredi an honorary Doctor of Civil Law. Ovide Mercredi will give the address to the graduates.

## Matthew W. Barrett

Born in Kells, County Meath, Ireland, Matthew Barrett was barely 18 when, in 1962, he joined the Bank of Montreal as a clerk at its old Waterloo Place branch in London to support his ambition to be a writer. Observing that a writing career would only generate a meagre sustenance, he stuck with the bank, transferring to Canada in 1967. He rose rapidly through 16 positions, each more senior than the last and entered the executive ranks in 1978 as Vice-President Management Services. In 1981 he attended the Advanced Management Program at Harvard Business School. After serving as Senior Vice-President, Eastern and Northern Ontario, he became Senior Vice-President of the bank's International Banking Group in 1981, followed by a move into international money markets as Senior Vice-President of the bank's Treasury Group in 1984. In 1985, he took charge of retail branch operations, and in 1987 was elected President and Chief Operating Officer. He became Chief Executive Officer in 1989 and was elected Chairman of the Board of Directors in 1990, becoming, at 45, one of the youngest senior banking executives in the world.

Matthew Barrett sits on a number of boards, including Harris Bankcorp Inc. and Nesbitt Thompson Corporation Ltd. He is a member of the Toronto Hospital's board of trustees, chairman of the Capital Campaign for Waterloo University and a governor of Junior Achievement of Canada. He is on several advisory committees, including those of the Business Council on National Issues and York University. He is married to Irene Korsak and has four children, Tara, Kelly, Andrea and Jason. For recreation he enjoys fly fishing or a good book.

## Roberta L. Bondar

Roberta Bondar, who represented Canada as a payload specialist on NASA's mission STS-42 in January 1992, received a BSc (Zoology and Agriculture) from the University of Guelph in 1968, a MSc (Experimental Pathology) from the University of Western Ontario in 1971, a PhD (Neurology) from the University of Toronto in 1974 and a Doctor of Medicine degree from McMaster University in 1977. She is a neurologist and a clinical and basic science researcher in the nervous system and is conducting research into blood flow in the brain during microgravity, lower body negative pressure and various pathological states.

Dr. Bondar was one of six Canadian astronauts selected in 1983 and began training in 1984. She was designated a prime payload specialist for the first

International Microgravity Laboratory Mission in 1990, and on Mission STS-42, performed a wide range of experiments. In addition, she was flipped to select the starting team for the Superbowl!

Dr. Bondar has served as a member of the Ontario Premier's Council on Science and Technology and on many other scientific bodies. She was co-recipient of the F.W. (Casey) Baldwin Award for the best paper in the Canadian Aeronautics and Space Journal in 1985 and among many honors, was made an honorary life member of Girl Guides of Canada in



1986. She is a member of many professional organizations, including the American Academy of Neurology, the Canadian Neurological Society, the Canadian Aeronautics and Space Institute, and the American Society for Gravitational and Space Biology.

In her spare time Dr. Bondar enjoys flying, hot air ballooning, canoeing, biking, target shooting, fishing, cross country skiing and hiking.

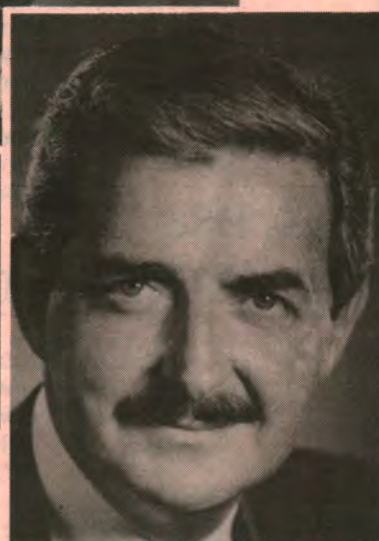
## Nelly Beveridge Gray

An artist and a traveller, Nelly Gray was born in England, but her family moved to Nova Scotia in 1912 and then to Detroit in 1924. She graduated as a registered nurse in Detroit in 1929, celebrating with a bus journey to California that led to a voyage through the Panama Canal. This was just the first of the multitude of adventurous journeys with which her life has been filled. In 1931, as the Depression began, she made her first

trip to Europe, sailing steerage from Quebec, a trip which included a bi-plane flight from Paris to London—something she did not mention to her family until



Top to bottom:  
Roberta Bondar,  
Nelly Beveridge Gray  
Ovide W. Mercredi  
Anna M. Porter  
Matthew W. Barrett



later.

From 1935 to 1949, she looked after Mr. and Mrs. Booth, retired newspaper publishers who founded the Cranbrook Educational Institution, north of Detroit. With them she travelled widely and also enrolled in the Institution to earn both bachelor's and master's degrees in fine arts. She paints in watercolors and acrylic and has always experimented with materials, receiving an award for innovation from the American Watercolor Society in the 1960s. Her paintings start with sketches from nature, but are done from memory. Mrs. Gray describes them as, "a journey into my mind's eye". *Vibrant* and *exciting* are two of the words Leighton Davis, Curator of Saint Mary's art gallery, uses when speaking of them.

Her twin enthusiasms for art and travel, coupled with an insatiable curiosity,

brought Mrs. Gray to another major achievement. On the chance suggestion of an acquaintance, she invented a method of making rubbings from stone carvings using cloth and oil pigment. From then on, she applied her artistic sensitivity to recording the relief sculptures of ancient civilizations by making rubbings in museums around the world. Her travels took her all over Europe, South America and Asia and many of the resulting collections of rubbings have been given to Saint Mary's, where they are appreciated both as works of art and, by the Anthropology Department, as artifacts of bygone civilizations. Her connection with Saint Mary's began in 1972, when the University mounted an exhibition of rubbings. In 1982, an exhibition of her paintings was held. In 1989 Saint Mary's mounted an exhibition of Hittite and Egyptian rubbings and in 1990, an exhibition of pre-Columbian rubbings.

## Ovide W. Mercredi

Ovide Mercredi, National Chief of the Assembly of First Nations (AFN), said on appointment in 1991, "My challenge for the next three years is to turn grievances into solutions." He is a believer in Ghandi's peaceful approach to political activism.

Ovide Mercredi is a Cree Indian brought up in Grand Rapids, Manitoba who discovered early in life, "There was a distinction, an artificial one, about Indians that was not of the making of my people." In 1959, a Manitoba Government hydro project flooded the reserve on which his father had his traplines, showing what Mercredi describes as, "dominance of one society over another, a complete disrespect for my people." After working with Ontario Hydro, Mercredi entered the University of Manitoba as a mature student, graduating with a law degree in 1977. During his time on campus, he set up a political association for native students and persuaded the University to start an Indian Studies Department which now offers 26 courses. He was called to the Manitoba Bar in 1979 and practised criminal law in La Pas, Manitoba until 1983.

Mercredi then became actively involved in constitutional law and aboriginal constitutional reform, occupying many positions within the AFN. He served as Regional Vice-Chief for the Manitoba Region, sat on a number of committees and in 1989 represented the AFN in seeking improvements to the "Convention on the Rights of the Child" in Geneva. He drafted a position paper on aboriginal matters for the International Labour Organization and acted as AFN spokesperson at the United Nations Indigenous Peoples Working Group. He provided leadership and legal advice in the AFN's opposition to the Meech Lake Accord and was an advisor to Elijah Harper during that period.

Mercredi has served as Commissioner for the Manitoba Human Rights



## Nicole Phillips, BComm—Marketing and PIR

"If I was to tell anyone about life at Saint Mary's, I would say get involved in societies and sports. You'll definitely reap the benefits of being involved in university life," says Nicole Phillips.

As the 1992 graduating class president, Nicole can tell you a lot about getting involved in the University. During her time at Saint Mary's, she has worked on Frosh Week, Winter Carnival, the Marketing Society, the Commerce Society, AIESEC and has been info. desk attendant in the Student Centre. She was the 1990-91 President of the Commerce Society and is this year's Commerce representative in the Student's Association.

Some of her greatest memories of the University stem from athletic events. "I went to the Vanier Cup in Toronto last year when our football team was in the

final and also to the CIAU basketball finals this year," says Nicole. "I got to see the true Santamarian spirit come through in both our current students and our graduates. I hope I am that kind of alumnus, one who adds to student life."

As class president, Nicole is responsible for organizing events during grad week which include a pub crawl, a harbour cruise and a ball at the Sheraton. For the future, she sees herself as a life officer for her class, organizing class reunions and other such events. "Saint Mary's is a close-knit community within a city environment and I really want to remain part of it."

On the academic side, Nicole received an entrance scholarship, a SMUSA scholarship, a gold 'M' and was chosen Senior of the Year. She will take up a position in the Royal Bank's Personal Banking Officer Program in October.



## Scott Conrad, BA Geography—Honors

Scott Conrad, a 22-year-old native of Dartmouth, will be following in the footsteps of his sister, Shelly, when he receives his honors geography degree at this year's graduation ceremony. A few years ago, she also received her BA in Geography and is now working as a planner for the City of Halifax.

At Saint Mary's, Scott has been involved in the geography society (SMUGS) and says he has "very much enjoyed the opportunity of meeting students from around the world. Saint Mary's is a close-knit community where you get to know your profs and other students quite well."

Scott recently completed his thesis, "Spatial analysis of traffic accidents for



the City of Halifax" which involved tracking number and locations of accidents in Halifax, a project which he has been concentrating on for the past eight months.

He is ready to continue his studies at the University of Waterloo where he has received \$14,000 in scholarships to take the two-year Master of Urban and Regional Planning. He plans to concentrate in the area of residential planning

and housing.

But these are not Scott's only plans for the future. He plans to marry another Saint Mary's geography student from Dartmouth, Cathy Schroeder in June 1993, the year she will finish her own honors geography degree at Saint Mary's.

## Lieutenant Patrick Kiley, BSc—Mathematics and Computing Science

"Saint Mary's is a user-friendly university" according to Lieutenant Patrick Kiley, who will graduate with a BSc after attending Saint Mary's part-time for three years. "The university is very receptive to mature students and the people here made it easy for me to start again."

And 'start again' he did. After graduating from Graham Creighton High School in the Westphal area of Halifax County, Patrick spent some time at Dalhousie in the Arts program before leaving to join the navy 10 years ago. He began as a bridge watchkeeper, moved on to air defence director, helicopter air controller and then into computer software training where he first developed an interest in computers. "I always wanted to go back to school," he comments. "I spent six years at sea and have been to



Europe, Hawaii, Martinique and Australia but knew I wanted to do more." Patrick now works as a program manager for shipborne naval software systems at the Navy Fleet Software Support Centre in Dartmouth which provides a tie-in with his degree especially the courses in software engineering.

Patrick has been kept busy over the last three years, sharing his time between his job, being on the Dean's List in 1989-90, winning an achievement scholarship for 1991-92 and having an addition to the family. He and his wife, Heather, who has also taken courses at Saint Mary's, have a

15-month-old daughter, Lauren. Where to next for Lieutenant Kiley? "I plan to enrol part-time in the Master of Computing Science program at TUNS," says Patrick, "And of course I plan to continue my naval career in the software programmer field."

# Class of

## Some of our graduates

### Joanne Hutchinson, BComm—Marketing and PIR

At 36, Joanne is happy that she'll finally be receiving a university degree, a double-major at that. Though a great achievement in itself, it is even more so because Joanne suffers from cerebral palsy and osteo-arthritis which have confined her to a wheelchair in recent years. She also has other disabilities resulting from her struggle to live a

normal life.

A native of Stellarton, N.S., Joanne went as far as grade 10 in high school before attending Pictou Regional Vocational School to take stenography and clerical. While there, she received her grade 12 certificate then entered the work force. In 1982, she returned to school for a course in data processing then moved to Halifax in 1986. In 1987, she came to Saint Mary's part-time then moved onto campus in 1988 to pursue full-time studies at the University.

"My life at Saint Mary's has been devoted to my studies; I put in a 20-hour day," says Joanne but she has no complaints about this. "Learning is a never-ending process."

Joanne had the help of student notetakers and did her exams at the Atlantic Centre of Support for Disabled Students on campus. The Atlantic Centre also lent her a lap top computer for her final year of study.

Life after Saint Mary's? "I'm really going to miss the University and the friends I've made, especially at the Atlantic Centre," says Joanne. "I would like to do market research in a Halifax company but I still hope to attend Saint Mary's part-time to take those courses in other subjects which always interested me."



### Robyn Young, MA—International Development Studies

Robyn's résumé reads like a who's who in Girl Guides/Scouts Associations with her 19 years of work in these organizations around the world. After travelling through 73 countries, many with the Girl Guides, and gaining a master's degree in international administration from the School for International Training in Vermont, U.S.A., Robyn decided it was time to broaden her education and looked for a degree related to international development. She settled on the International Development Studies (IDS) program at Saint Mary's because of its "global perspective from an academic point of view."

Robyn's thesis is called "Shantytown women, their work, survival strategies and aspirations: a case study in Tetela del Monte, Mexico". How did she pick Mexico for her study area? Robyn goes back to her work with the Girl Guides to explain. "I gained my initial education in Brisbane, Australia where I grew up then I decided to go on a working holiday with my friends. We worked and travelled in Europe and Britain for the most part. While I was in London, I applied for a job in Mexico with the

World Association of Girl Guides and Girl Scouts and got it."

Robyn spent several years in Mexico, where she learned Spanish and gained an appreciation of Mexican culture. Since then, she has worked with several other girl guide associations including her most recent position with the Girl Guides of Canada which she left in 1990 to pursue her degree.

Robyn worked hard to complete her thesis, field work and course work in 15 months. She says she's enjoyed her time in Halifax, because "I'm not number 28 in a class of 2,000; things are a lot more personal at Saint Mary's." She continues, "I'm really impressed with the skills and knowledge of the IDS faculty here. I think I made the right decision in choosing Saint Mary's over other Canadian universities."





# of 1992

## tes tell their stories

### Ann Bailey, BA-Atlantic Canada Studies and Ruth Bailey, BA-History

Ann Bailey left her office job in 1988, fed up with the type of work she was doing. She enrolled in a couple of courses at Saint Mary's to decide what she wanted to do with her life. One of her courses, anthropology, "...changed my way of thinking, especially of women in history," comments Ann. She decided to pursue a full-time degree in Atlantic Canada Studies in the fall of 1989 because "The interdisciplinary aspect of the program appealed to me. I was not confined to certain courses; I took courses that followed my interests."

At the same time, Ruth, Ann's daughter, decided she no longer wanted to study nursing at Dalhousie. She told her mother that she wanted to pursue a BA at Saint Mary's and didn't know what her mother would say. Comments Ann, "I asked Ruth if she wanted me to drop out because I know some kids don't want to be seen with their parents at University." Ruth looked at it the opposite way, "She (Ann) had dibs on it if anything because she was here first."

They both ended up attending Saint Mary's but never did take a course together. "We did plan to take one course together this year, but it just didn't work out," comments Ann.

About Saint Mary's, the two describe the University as one with concern for



its students. "Faculty members are interested, accessible and resourceful" says Ann, and Ruth adds, "Saint Mary's has a smorgasboard of courses. I wanted to try some of everything but I could only eat so much during my degree."

And after Saint Mary's? Ruth has a job lined up but plans to return to university in a few years "to take something completely different." Ann, on the other hand says, "I think I'll take at least one course for the rest of my life!"

### Isaac Saney, MA-International Development Studies

Cousins and friends of Point Fortin, Trinidad native Isaac Saney encouraged him to come to Nova Scotia and Saint Mary's for his education. But this wasn't the deciding factor. Isaac came here because "The Saint Mary's International Development Studies (IDS) program has a good reputation in Canada."

Says Isaac, "The IDS program allows creative insights and analysis of development in third world countries and other places such as the restructuring of world economics and politics and the consequences these changes will have on the world as a whole."

Isaac is most interested in the development of the Caribbean and what he feels is its unequal relationship with the west. "Historical forces have placed the Caribbean in a state of subordination in world economics and politics," comments

Isaac and he plans to do something about it. First, he hopes to do a PhD at the London School of Economics then to return to Trinidad to enter the political field.

About his life at Saint Mary's, Isaac says he has formed long-lasting friendships with many students. He was involved in several extra-curricular activities both at Saint Mary's and Dalhousie including editing the Caribbean information group newsletter and delivering speeches at the Walter Rodney Memorial Talks held at Dalhousie this year.



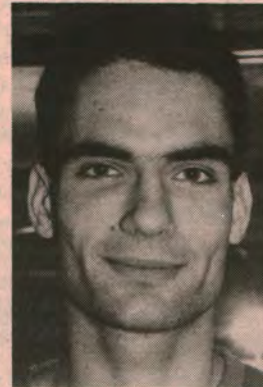
### Brian Thompson, BComm-Finance

The name Brian Thompson is synonymous with basketball at Saint Mary's thanks to a fruitful five years with the hoop Huskies squad. In his time with the team, Brian has won awards including: Atlantic Universities Basketball Conference (AUBC) leading scorer in 1989-90 and 1991-92; AUBC Second Team All-Conference 1988-89; AUBC First Team All-Conference 1989-92; AUBC MVP 1991-92; CIAU All-Canadian 1991-92; and was named 1991-92 Saint Mary's Male Athlete of the Year.

Brian chose to come to Saint Mary's because of "its great reputation as an academic institute and its pride and tradition in strong athletic programs." The only university graduate in his family, Brian, the youngest of four boys wanted "to get a good degree, something a little different from what other people were taking," so he took up finance.

Brian says he'll miss a lot about Saint Mary's. "I've made a lot of close friends here and have received tremendous support over the years," he says. "I'll never forget the CIAUs when my teammates showed heart and determination to take us to the finals."

Brian will try out for the Halifax Windjammers professional basketball team this year and if it doesn't work out, he will try out for the national team with a long-term goal of making the Olympics in 1996. But he says, "No matter what happens with basketball, I know I'll always have my university degree to fall back on. No one can be in top shape all their lives and they need to have something else. I'm proud I'm a Saint Mary's graduate."



### Fonda Munroe, EMBA

BA (Dalhousie), BSc (Guelph), DVetMed (Guelph) and now EMBA (Saint Mary's)! Quite a wide range of subjects but they all tie nicely together for Fonda Munroe, a member of the first graduating class of Saint Mary's Executive Master of Business Administration (EMBA) program.

Currently a scientific support officer with Agriculture Canada based in Sackville, New Brunswick, Fonda decided to enter the program because "I wanted to gain skills to advance in my profession and add flexibility in my future career."

The Sackville-Halifax road route was well travelled by Fonda during the past two years. Every second week, she and her classmates spent Friday and Saturday in intensive study at the World Trade Centre. In order to take the program, she had to cut back her working hours and community involvement but, says Fonda, "The combination of people with years of practical experience and the outstanding instructors made the learning experience rich and very enjoyable." One of the benefits of the EMBA program has been the comradery with other EMBA students. Says Fonda,

"I've made some very close friends at Saint Mary's."

On the non-academic side, Fonda found her experience at Saint Mary's different from her younger years at university. She had different responsibilities this time



around which included being married with three children.

Life after Saint Mary's? "I'll begin again," says Fonda. "My life during the last 18 months has been school but now I plan to spend a lot more time with my family and hope to get in a few mystery novels."

### Christine Dewolf, BSc Chemistry-Honors

"Saint Mary's has the atmosphere of a small university even though it's not that small anymore," says chemistry graduate, Christine Dewolf. "I enjoy the fact that people seem to know each other around the campus and are open to meeting new people. This really helped me in my first year on campus."

Since that first year, Christine has taken her own place at the University. For the past two years, she has been doing research on district heating and cooling with Dr. John Young in the chemistry department. "At most universities, undergraduate students don't get to do research but I have lots of hands-on experience now."

She has also demonstrated in two labs for the past three years, and has been the student representative for the

chemistry faculty. In this role, she attended faculty meetings representing the students and was charged with

letting them know what was going on around the department. Christine is also the past president of the chemistry society with which she played soccer, broomball and softball.

On the academic side, Christine has been "invited for interview" for a Rhodes Scholarship and has been awarded the 1967 Post-Graduate Scholarship from NSERC, Saint Mary's only winner. She is also seriously being considered for a

Commonwealth Scholarship to attend Cambridge University in the U.K. Christine plans to further her education with a Master of Chemical Engineering focusing on environmental chemistry and renewable energy.





## Top commerce prof



Professor Bill Greer of the Department of Management proudly displays the plaque he received as Commerce Professor of the Year. The inscription on the plaque reads "Presented to the full-time professor deemed by the Commerce students to be outstanding in his/her teaching and student relations, who is involved in university and student activities."

## Publications

### Geology

Dr. Georgia Pe-Piper published a paper entitled "Geochemistry of late Proterozoic plutonic rocks from Flemish Cap, east of the Grank Banks of Newfoundland" in *Current Research, Part D; Geological Survey of Canada, Paper 92-1D*, pp 45-48. Dr. Pe-Piper also published a paper entitled "Magnesian andesites from the island of Skyros, Greece: geochemistry and regional significance" in *Geological Magazine*, 128 (6), pp 585-539.

### Recycling tips Envelopes

- Always use inter-office mail envelopes for internal mail
- Open envelopes carefully and re-use them whenever possible
- Never use a new envelope without considering whether it is really necessary
- If you are using an old envelope, write "recycled" on it to let the recipient know you are being environmentally friendly

## Year of publishing history

A celebration was held in March for five history professors who published books during the past academic year. Here

(L to R), Dr. James Morrison with his book, *Camps and Classrooms, A pictorial history of Frontier College*; Dr. Colin Howell and Dr. Richard Twomey with their book, *Jack Tar in History, Essays in the history of Maritime life and labour*; and Owen Carrigan with his book, *Crime and Punishment in Canada—A history*. The fifth professor, Dr. John Reid, contributed two chapters to a book entitled *Colonies—Canada to 1867*.



## Around campus

### Paradise in a Winter Wonderland

Saint Mary's University Caribbean Society hosted *Caribanza 92*, an event shared among Caribbean students from Saint Mary's, Dalhousie and Mount Saint Vincent Universities. The evening was a great success, according to Lorraine Ferguson, president of the Saint Mary's Caribbean Society. "We sold out the event and had people lining up at the door to get in. We had to bring in extra tables to accommodate everyone!"

The menu featured a delicious array of traditional West Indian foods such as banana fritters, curried goat and curried chicken beside the regular student fare of macaroni and cheese. The cultural show focused on issues facing Caribbean people but also included several light moments such as the appearance of "two Bob's" from the Caribbean "bobsled" team.



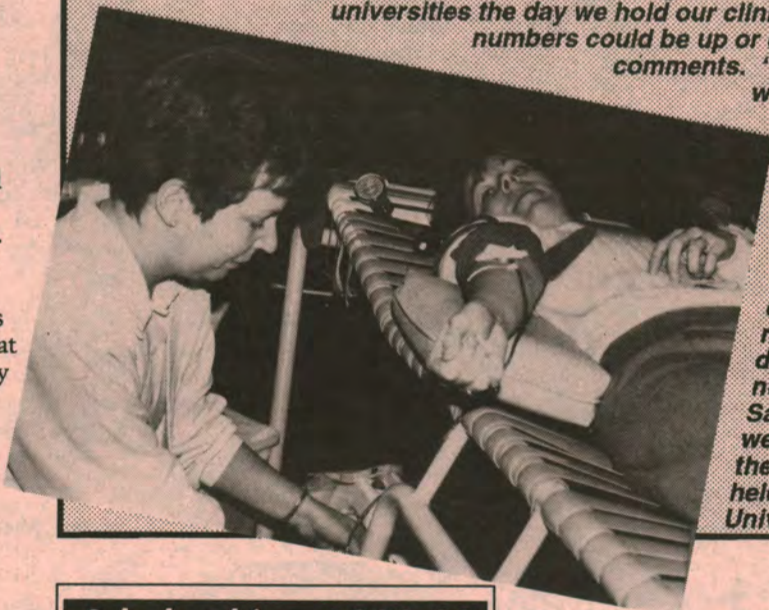
### (Left) Rites of spring

Celebrating the start of spring, the Marketing Society held a hot dog barbeque on 25 March outside the student centre. The snow didn't hold back the 200 people who paid \$1 per hot dog to support the society in its fundraising venture.

### Red Cross Blood Donor Clinic at Saint Mary's (below)

Blood donations were up at the semi-annual Red Cross Blood Donor Clinic held at Saint Mary's on Monday, 9 March sponsored by AIESEC and SMUSA. 172 students, staff and faculty registered with total donations of 143 units of blood.

Donation numbers remain stable according to Ian Murray, Red Cross Mobile Clinic Co-ordinator. "Depending on what is happening around the universities the day we hold our clinics, the numbers could be up or down," he comments. "The day we were at



Dalhousie there was a major concert in Halifax which we believe caused our numbers to be down but our numbers at Saint Mary's were up from the fall clinic we held at the University."

### Scholarships 1992-93

- Named Undergraduate scholarships
- Part-time scholarships
- Alumni Leadership scholarships
- Saint Mary's University scholarships

Deadline for applications: May 25, 1992

Information & applications from:  
Financial Aid Office  
Student Services  
4th Floor, Student Centre  
Tel: 420-5609  
Scholarships 1992-93



## Times

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

April-May, 1992  
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Director of Public Affairs  
Chuck Bridges

Editor: Anne West  
Sports Editor & Staff Writer:

Claudine Laforce  
Design: Stu Ducklow



FRIDAY FORUM: Dr. David Gray

# Counting fish won't put you to sleep

by Anne West

PEOPLE WHO TRY to count fish stocks for a living are more likely to lie awake at night than to sleep soundly. At a *Friday Forum* session on March 27, Dr. David Gray (Finance and Management Science), who is involved in an NSERC project to create a simulation process to assess fish stocks, described the problems and efforts to find solutions.

He suggested his audience, "Take a helicopter with a net and drag it over Alberta in the night and see how many cattle you pick up, then use that as a basis for estimating the number of cattle." Even this doesn't show the full extent of the problem because, "The cattle stand on the ground, while the fish swim at different depths."

Watching the panic decisions on how much fish may be caught, a situation which seem to be the norm in the East Coast fishery, confirms how hard it is to estimate fish stocks. Just when they seem to be recovering, new data throws a curve into the equation. Referring to the recent dramatic reduction in the allowable catch of northern cod, Dr. Gray says, "This year's fall cruise showed the fish were not only down in numbers but there were no old fish...commercial catch research shows the big fish are dying off fast."

For 20 years, scientists around the world have been trying to find a reliable method of calculating fish stocks but they have not yet succeeded. "Most of what we are trying to do is estimate today's population so we can look ahead and work out how much to catch tomorrow," says Dr. Gray, pointing out that research is always done under pressure of having to set quotas for the coming year.

Since the fish in the sea cannot be counted, all calculations are based on the ones that are brought out—the catch. In the past, calculations have been based on figures from the commercial fishery but, says Dr. Gray, "The Canadian fishery has changed a lot and the changes affect patterns. We need 10 to 15 years of data, but none of our fisheries have gone 10 years without change." These changes include the introduction of bigger vessels and more efficient gear. In addition, fishing patterns change. "When there is a

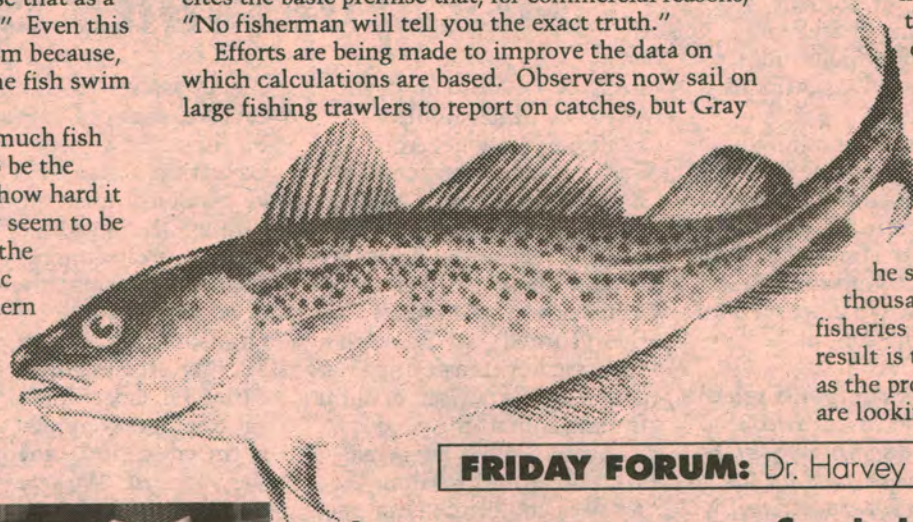
## Drag a net over Alberta at night and use that to estimate the number of cattle

downturn in the northern cod, the quotas are switched to something else," says Dr. Gray. He also cites the basic premise that, for commercial reasons, "No fisherman will tell you the exact truth."

Efforts are being made to improve the data on which calculations are based. Observers now sail on large fishing trawlers to report on catches, but Gray

says, "They generate so much data that it is hard to get it ready for the next assessment period." An alternative is to rely more heavily on the catches of the scientific cruises carried out by Department of Fisheries and Oceans (DFO) vessels. This, too, has drawbacks because DFO trawlers only visit each area once a year, resulting in too little data.

Calculations of fish stocks are based on the "cohort" which is all the fish of a certain age. Age is measured by size and by counting the rings in the inner ear bones of the fishes. Scientists track the number of fish caught from each "cohort" each year, trying to build a picture of numbers over the 10-year life of each group." Dr. Gray is working to find more effective ways of calculating fish stocks, by creating an assessment simulator in which the computer can do a very large number of calculations based on many factors. Of the program he is working on, he says "I can run a 10-year assessment a thousand times." Referring to the difficulties fisheries scientists face, he says, "The only reliable result is that the problem is consistent. What we see as the problem is what the Europeans and Americans are looking at; it is the same problem."



FRIDAY FORUM: Dr. Harvey Millar



Dr. Harvey Millar

## Planning in a field of uncertainty

by Claudine Laforce

Dr. Harvey Millar, Finance and Management Science, spoke on 13 March about his two-stage procedure for planning marketing and fishing activities in fish processing firms.

Planning the activities of fishing companies takes place against a backdrop of uncertainty, according to Dr. Millar. Demand patterns, fish supply, harvesting rates, fish quality and more can vary. Like any manufacturing or processing industry, fishing firms must plan the efficient use of their resources to maximize potential profit.

Though its operating environment is extremely uncertain, the multi-billion dollar fishing industry in Canada has not taken advantage of the sophisticated mathematical decision support tools available to it. Dr. Millar believes planning for this industry is a

difficult task, and should be assisted by rational models based on these tools.

Planning problems in the fishing industry have received little attention by researchers for a number of reasons. First, fishing is a traditional industry that has operated in a low technology environment for hundreds of years. Such industries are usually slower to adapt to modern initiatives in planning and control than those which have sprung up in more technologically-oriented environments. Secondly, rational planning of operations is very difficult because fishing enterprises do not own the fish that form the basis of their existence. Thirdly, problems in the industry are difficult to solve since they are on a large scale and many of the parameters are uncertain.

One potential approach to planning in the fishing industry is based on applying the theories of hierarchical planning. This approach is comprised of two decision levels. The first consists of a fishing plan which specifies stocks to fish, a marketing plan which specifies types of products to sell and an inventory and production plan for each fish plant. The second level involves short-term decisions concerning the dispatching and routing of the trawler fleet in order to land the fish required at minimum cost.

This approach has been researched by Dr. Millar and Dr. E.A. Gunn (TUNS). In their model, a yearly routing plan would be developed for the trawlers. After each month, the plan would be re-evaluated and changes made accordingly.

This plan takes into consideration two crucial factors in the fishing industry; demand uncertainty and supply uncertainty. It would mean a switch from a supply-driven approach to a market-driven approach; a change in tradition for the industry. The plan would bring greater control over use of the firm's resources as well as control over trawler fleet expansion decisions. Traditionally, firms have simply expanded their fleets to deal with uncertainty.

Dr. Millar believes this new approach can benefit all fishing company owners. The most important piece of information for the company is the cost per unit (the fish), or the cost of increasing or decreasing fish catches by a single unit. Dr. Millar's work is to provide the models that can support decision making in the fishing industry.

## Five to be honored at convocation

From page 7

Commission, and was a member of the Senate Committee on Native Studies and a member of the Manitoba Alcoholism Foundation. He lives with his wife Shelly, and his daughter, Danielle in Orleans, Ontario.

### Anna M. Porter

Anna Porter was born in Hungary, but received her education in New Zealand. She has a BA and an MA from Canterbury University. She began her publishing career as a junior editor in Cassell and Company, London, England and came to Canada in 1968. She joined McClelland & Stewart in 1969, rising to Vice-President and Editor-in-Chief. In 1978, she became President of McClelland-Bantam Inc.

In 1981, she started Key Porter Books Limited of which she is president. Key Porter in turn is a 50 per cent shareholder in the paperback publishing company Seal Books which publishes such authors as Margaret Atwood, Farley Mowat and W.O. Mitchell. In 1986, Porter bought a majority share in Doubleday Canada and was its Executive Chairman until 1991, when she sold her share.

Anna Porter is dedicated to Canadian publishing, and has worked to raise its profile internationally through attendance at book fairs in Frankfurt, London and around the world. She is recognized as a dedicated supporter of Canadian authors and has worked hard to increase their representation on book club lists. She fought the imposition

of the GST on books and supports the federal government's new policies on publishing. In 1991, she established a Key Porter subsidiary in the United States. She has lectured and given speeches throughout Canada about culture and publishing.

In addition to her many publishing interests, Anna Porter is on the board of Laurential Financial, Peoples Jewellers Ltd, Hollinger Inc., UNICEF Canada and the World Wildlife Fund Canada. She was made an Officer of the Order of Canada in 1992.

Anna Porter has herself written two mystery thrillers, and is eager to write another when time permits. She is married to lawyer Julian Porter and has two daughters, Catherine and Julia.





Lucy Janega

## BEd student bound for Brazil

Lucy Janega, who graduates with her BEd in May, will celebrate by travelling to Brazil. No, it's not a holiday, it's a research trip. Lucy has been awarded a place on the World University Services Canada (WUSC) annual Development Seminar, which takes 30 Canadian students overseas to study economic and social development. Competition is stiff to take part in the Seminar, which has been part of WUSC's program since 1948.

A year in France working as an *au pair* after high school, which she describes as, "a challenging experience," led Lucy to Dalhousie, where she majored in French. She spent one year of her BA course at Laval University in Quebec City and began teaching English as a second language at a small school there. This led to summer teaching in an English immersion program at the University of Sherbrooke, Quebec. In 1990, she spent the summer as a guide at the Canadian war memorial at Vimy Ridge in France.

She then worked for two years at the International Language Institute run by Dr. Tom Musial of the Marketing Department, teaching English to foreign students and acting as social director.

Having fallen into teaching almost by accident, Lucy says, "It made some sense to get some solid qualifications. I did not have any certificates to validate my teaching and I figured I should get a piece of paper before venturing off into the school system." She chose Saint Mary's because of the reputation of its Education Faculty and has not regretted that choice. What next? "I'll probably teach French, or English literature or English as a second language," she says, adding, "I am very interested in counselling, perhaps I'll eventually train for that."

Meanwhile, Brazil is Lucy's next adventure. Her research project is, "Something I'm really interested in—gender issues. I am going to study gender relations in the school system in Brazil."

She explains, "I hope to observe as many classes as possible, rural and urban, public and private, and get an idea what it's happening with teacher/student relationships between males and females and the same for student/student relationships." She explains that Brazil had a very successful women's movement in the 80s and says, "I am interested in speaking to some of the successful women in Brazil to find out what worked for them in the school system."

**Note: Participants must find \$2,000 towards the cost of the seminar, which is financed in part by the Canadian International Development Agency, so if you have any money burning a hole in your pocket, Lucy would be grateful for help. Contact Cindy Bishara at the Education Faculty.**

### Philosophy students send books to Africa

Two hundred members of Dr. Sheldon Wein's "Basic Logic"

(Phi 200.F) class donated their textbooks to the University of Ghana, where books are hard to obtain. The book, entitled *Logical Basics*, was compiled by Dr. Wein for this class. It is designed to acquaint the reader with some of the fundamental principles of logic. Seen here packing the books for shipment are, (L to R) Susan Tonary, Dr. Wein, Caroline Hossein and Alix Smyth.



Members of Saint Mary's University Drama Society, affectionately known as SMUDS, presented "The Creature Creeps", a farce by Jack Sharkey, under the direction of Richard Wolfe. They gave four performances in March.

L to R: Zelda Fitzgerald, Adolph Hitler, Louise Brookes, Amelia Earhart and Al Capone on stage at the Education Faculty frolic.



### BEd students spoof education history

## Adolph Hitler's other life

Imagine a classroom in the 1920s in which Adolph Hitler, Al Capone, Amelia Earhart, Zelda Fitzgerald and Louise Brookes are taught by an overbearing and hard-hearted teacher who tries to destroy their self-confidence. You know how some of them turned out! Imagine that teacher transformed into a caring person, bent on finding something good in everyone. What happens? Well, for starters, young Adolf becomes the curator of a Jewish museum of fine arts and Al Capone finds meaningful employment as a social worker.

Is this Broadway or Hollywood? No, it is the Burke Education Centre, on

the occasion of the annual extravaganza of Dr. Frank Phillips' "History of Education" class. This year's BEd students romped through the decades of our century, examining education through the eyes of novelists and philosophers. Dickens and Tolstoy, Rousseau, De la Salle, Rabelais, Socrates and the Sophists were just some of the educational theorists they panned. We saw a lighthearted look at the 50s, when Rabelais' great-grandson tried to bring his

ideas to the classrooms of America, and remembered all over again the rebellious flower children of the 60s.

Fancy footwork included a super Charleston from Louise Brookes, Dr. Phillips showing a leg in one skit and a guest appearance by stars Dr. Roger Barnsley (almost unrecognizable with a full head of hair) and Glenna Jenkins, who jived the afternoon away.

Wow, the classrooms of the future will be lucky to get this imaginative and fun-filled bunch.



Peer support volunteers, L to R (back): Anita Sawler, Pêra Wilkenson, Monique Robichaud, Donald Dunn, Paulette LeMoine, Scott Furey, Leah White, Andrew Deveau, Jennifer Urquhart and Christine Driscoll. Front: Shari Mallory, Heidi Price, Heather MacLeod and Darcy Fraser. Absent were Tracy Brushett and Glen Morash.

## Students help their peers

Throughout the 1991-92 academic year, the 16 student volunteers of the Peer Support Program provided a place in the Student Centre where students could turn for information on study skills and a host of other topics. The students who staffed the office between 9:00 am and 3:00 pm Monday to Thursday are volunteers—why do they do it? "Many of them are students who are going into social work or psychology," says Peer Support Program Co-ordinator Sarah Morris. "They enjoy meeting people, and they want to help their fellow students. It also gives them useful experience running an office."

Sarah has already signed up 30 students for next year, out of almost 60 who applied. The program is set to expand, with the volunteers helping students do career exploration with the Choices CT computer program and also doing workshops on such things as sexual harassment and date rape. "It provides the first level of help," says Sarah. "If someone feels threatened by the idea of talking to a professional, they can talk to a student instead." She stresses, however, that the volunteers are trained to suggest that students seek professional help if they need it.



# Professor in pinstripes

by Anne West

**D**R. DAVID PERRIER'S flirtation with crime involves just about everything except actually committing one. During his undergraduate days at Dalhousie, his interest in juvenile delinquency led him to do research at the Shelburne School for Boys. After acquiring a PhD at York University under the supervision of two eminent criminologists, Dr. Perrier came to Saint Mary's in 1972 as a young sociologist with an interest in criminology. In 1975 he set up the Criminology Certificate Program and became its co-ordinator. In 1980, an RCMP officer in one of his classes invited him to join the boys in blue, so he donned the uniform of an auxiliary officer of the RCMP and spent a sabbatical year in duties varying from highway patrol to detachment duty. Next, with lawyer Joel Pink, QC who teaches in the criminology program, he authored a textbook *From Crime to Punishment* now widely used as a text in criminal law. In 1990, Dr. Perrier was appointed Chairman of the Nova Scotia Police Commission for a three year period.

The appointment came in the wake of the enquiry into the case of Donald Marshall, the Micmac Indian who spent 10 years behind bars for a murder he did not commit. Describing the search to fill the then vacant position of chairman to the police commission, lawyer Joel Pink says, "They were looking for someone with experience, who had studied police problems in this province, who had been involved with the

## Criminologist works as chairman of the Nova Scotia Police Commission

police commission, and who was non-political." That fitted Dr. Perrier to a T.

He did not hesitate when offered the job. "Policing was at its lowest ebb following the Marshall enquiry," he says. "I felt this was the time for me to try and make some sort of changes." Of his current goal he says, "I am working towards improving policing in Nova Scotia to the best of my ability."

As chair of the commission, Dr. Perrier needs every bit of his experience. Describing the job, he says, "We are responsible for enforcing the Police Act," which sounds simple, until you read the mandate which makes it responsible for 13 different methods of working "For the prevention of crime and the preservation of peace and good order and the promotion of efficiency of police services in the province." These methods include assessing the effectiveness of police services throughout the province, conducting investigations into accusations of police wrong doing and developing training programs for police officers at all levels. A formidable task for one man with a staff of seven and faced with funding cutbacks!

"We have 26 municipal police departments, each with a municipal board of police commissioners. There were 754 officers in September 1992," says Dr. Perrier. "We also supervise private security and investigation firms and guard dog firms," he says. "We have in the neighborhood of 65 private security firms and 2,200 private guards and investigators who have to be licensed every year."

Nova Scotia sends its officers to the Atlantic Police College in Charlottetown, but Dr. Perrier explains, "This year, because of fiscal problems, we are trying to...move some of the training to Nova Scotia to reduce travel costs." He adds, "We design some courses ourselves; our staff training officer prepares report writing and other general courses." Times are tough and Dr. Perrier says, "In this age of economic restraint and government cut backs... You have to be really creative in order to accomplish some of the goals and objectives that you set for your organization."



Dr. David Perrier

The commission is also involved in complaints against the police. Dr. Perrier explains, "Complaints are investigated first by the local police department. If it concludes there is nothing to the complaint, the complainant may appeal to the Nova Scotia Police Commission." The commission then tries to deal with the appeal informally, but if this does not work, the commission holds a hearing before the police review board. It also arranges hearings on behalf of police officers who feels they have been punished unfairly, and conducts public enquiries.

The commission must also study new trends in policing. Asked about these, Dr. Perrier says, "What we are dealing with is the need for more training, especially the tremendous need for training in multicultural and race relations in addition to the normal areas of expertise in which the police are trained." There is also a move to recruit trainees from visible minorities. "These are initiatives that have been undertaken in the Metro area," says Dr. Perrier. "It is important that the composition of the force represent the diversity of ethnic and cultural backgrounds in society."

Criminal trends are something else the commission monitors. "We use these trends to help departments maintain an efficient force to combat the new problems," says Dr. Perrier.

Dr. Perrier loves teaching, but there is no doubt he is enjoying the challenge of his present job. "There is a great deal more decision-making in this particular job and that keeps me on my toes."



## Lecture on delinquency

'Re-examining subcultural theories of crime and delinquency' was the subject of a public lecture by Dr. David Brownfield of Erindale College, University of Toronto. The 25 March lecture was hosted by the Saint Mary's Criminology Certificate Program. Here, Dr. Brownfield talks to Professor Sandra Bell of the criminology program before his lecture.



## Anthology contains prize winning work



Susan Goyette receives the Joyce Marshall Hsia Memorial Poetry Prize from Dr. Colin Dodds (Vice-President, Academic and Research)

**P**ICTURESHIRTS AND JELLYWORK is the name of a slim volume of poems and short stories by Saint Mary's students which was published in February. Dr. Margaret Harry (English) was the faculty advisor for the book, most of which was created in her house, on her Macintosh, during spring break. The editors are students Joseph Desjardins, Geoffrey Ineson and Jackie Torrens.

Among the works published in the book are five poems by Susan Goyette, the winner of this year's Joyce Marshall Hsia Memorial Poetry Prize. Also included are poems by second prize winner Jackie Torrens and third prize winner Jenny Haysom. The poetry prize is awarded each year in memory of Dr. Rowland Marshall's sister Joyce.

### Fresh Grown Maternal Instinct in the Dairy Section

by Susan Goyette (S.G. Murphy)

My mother told us to put the things we needed on the grocery list hanging by the phone words like tampons—cream rinse—nail polish remover would be written in different colours by different hands one sister dotted her i's with hearts the other would put happy faces in her o's i wrote courage—a new nose—bigger boobs

at 16 and spiritual i wrote nirvana—good karma—eternal wisdom and when i really got into it i didn't write at all figuring she knew because i radiated things

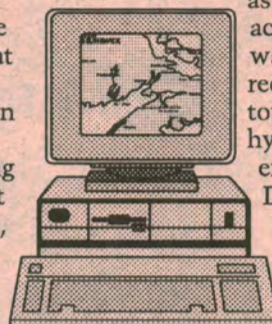
at 17 i was seeing a guy who sang and played guitar i wrote a better voice—a gibson 12 string—bigger boobs my younger sister wrote things back give me a break—you wish—in your dreams signs of profound admiration my being older and all

at 19 i began to imagine my mother standing mid-aisle trying to remember what karma was wondering if she should buy honey for my voice she was mid-divorce so i wrote things she needed a good laugh—a copy of the female eunuch—bubble bath and i wrote time over and over again

## FRIDAY FORUM: Dr. Peter Ricketts (Geography)

# Use computer data to make maps

OK, so you are thinking of starting a fish farm near St. John, New Brunswick and you'd like to know about the competition. Simply load the Gulf of Maine Information System into your PC and you can create a map of coastal communities and the nearby fish farms that serve them. Or you are studying pollution and want to know where ocean dumping has taken place—just make yourself a map, adding to it data on the nature of the bottom, the fish stocks that inhabit the area, and many other relevant facts.



All this information is contained in the FMG Resource and Environmental Database for the Bay of Fundy, Gulf of Maine and George's Bank coastal and marine region. It is available both for use with a mainframe computer system and now on 15 disks for use with PCs. The system was prepared for Environment Canada, which now owns the database.

Back in 1988, Dr. Peter Ricketts (Geography) together with Dr. Art Hanson of Dalhousie and the cartographic service of the Land Registration and Information Service in Amherst received funding to create an atlas of the Gulf of Maine for Environment Canada. The group created a computerized atlas from information gleaned from both the American and Canadian areas of the Gulf, using a Geographic Information System (GIS). Dr. Ricketts describes a GIS as, "A tool that uses a computer and appropriate software to access data in a variety of forms." All the statistical data and maps were put into the GIS, and can now be called up and overlaid on each other to give a comprehensive picture of the area to suit the needs of the user.

The original project was carried out within the political framework of the Gulf of Maine boundary dispute between Canada and the United States and the battle between the North-Eastern United States and Maritime Provinces over fish stocks in the Gulf. It was based on the necessity to look at the Gulf of Maine as one area, because fish do not recognize international boundaries, nor do oil or gas fields or other geological features.

"The system is an attempt to make accessible as much information as possible to people making decisions about the many different and often opposing uses of the coastal and marine environment, such as fishing, aquaculture, waste disposal, recreation and tourism, and hydrocarbon exploration," said Dr. Ricketts when he explained the system at a March Friday Forum.

During the period when the GIS was being developed, "The parties finally did come together and the Gulf of Maine Council was formed." This international agreement between the NE States and Maritime Provinces aims to develop a co-operative approach to managing most of the resources of the whole Gulf. This means that the GIS, "provides a very useful

core of information and...a regional overview of this area for a whole variety of people," says Dr. Ricketts.

The program contains information on geology, political and administrative boundaries, oceanography, human resources, ecological resources and critical environmental and resource management issues. These latter issues include coastal and marine pollution, acid rain, sites of special significance and protected areas.

One limitation of the system is the need for updating the information in it. Although geology doesn't change, many other factors like fish stocks and pollution, do. Dr. Ricketts says, "It is historic, and every year it gets older and older. Recently, I teamed up with two local private companies who are interested in developing the technology and we have an application in to ACOA to develop a communication network and provide for an update of the FMG data."

## Listen to our voices

Teresa MacPhee (l) and Mary Longman (r) were the featured speakers at the final Listen to Our Voices seminar sponsored by the Gorsebrook Research Institute for Atlantic Canada Studies on 26 March. Their presentation called 'Red Flags and Little White Lies' was described as a presentation by two women artists describing identity.



The Bardic tradition of Inverness County, Cape Breton was the focus of a lecture by Effie Rankin on 19 March. Shown here (L to R) are Ruth Whitehead of the Nova Scotia Museum; Trudy Sable, a Masters student in Atlantic Canada Studies; and Effie Rankin. This seminar, which focused on Gaelic poets in Inverness County, was the fifth in the series Listen to Our Voices, hosted by the Gorsebrook Research Institute for Atlantic Canada Studies.





**Entrepreneurship course: students learn by doing**

# Marketing a better mousetrap

## Students take Nova Scotian inventions to market



Representatives from the five group projects include: Jeff Silver with E-Z Splint; Anthea Bellemare with Continuous Passive Motion Machine; Mark Owen with Lifeline Challenge; Scot Gibson with Robo Cat and; Karen Wilcox with Lifeline Challenge.

**I**NVENTING A BETTER mousetrap does not necessarily mean people will beat a path to your door, according to Randy Otterson, the man who created Robo Cat, a humane rodent catcher. That is, unless you have a marketing plan that will draw them like mice to cheese. This was the task given to one group of students by Professor Bill Greer who teaches the third year management course, *Entrepreneurship: Theories and Concepts*.

In these difficult times, people are finding it an increasingly viable option to have their own business, according to Professor Greer. But to succeed, entrepreneurs must have the management skills necessary to keep their organization running.

The entrepreneurship course, offered for the first time this semester, hopes to fill this need. Professor Greer expected to have an enrolment of 12 in the course, but class size swelled to 25. The students spent the majority of their time "learning by doing", according to Professor Greer. The class was divided into groups of five, each assigned the task bringing a concept to reality...or not. "Not every project is viable so this was one of the options students had to look at when doing their research," says Professor Greer. "I found new Nova Scotian inventions that needed to be brought to the sales stage and asked each group of students to work on one."

Bringing an invention to the sales stage is a long process, as the students quickly found out. They had to go to manufacturers to cost materials, to bankers to see if they could get funding for the product and to retailers to see if they would buy it. In the meantime, students had to develop a marketing strategy and business plan for the project. These inventions included: E-Z

Splint, used on injured fingers; the Continuous Passive Motion (CPM) Machine for rehabilitation of limbs; Robo Cat, a mousetrap which allows the mouse to be set free unharmed and; Lifeline Challenge, a game created by Professor Greer.

The project ended with a presentation from each group to a panel of business leaders from organizations including: ACOA, Junior Achievement, Saint Mary's Business Development Centre, the National Entrepreneur Development Institute, Scotiabank and Central Guaranty. The panel members decided whether they would approve funding for the inventions and also gave the students helpful hints on how to get funding.

### Shopping centre scholar

First year commerce student Nikki

Toole from Pictou received an Atlantic Shopping Centre Scholarship worth \$1,000 on March 6. This scholarship program is funded by Atlantic Shopping Centres and the merchants in its family of malls. L to R: Kathy Kelly, Manager, Penhorn Mall; Verna Bulley, Manager, Park Lane; Jim Pushie, Manager, Downsview Mall, Fort Edward Mall; Paul McLean, Manager, Penhorn Mall; Dr. Colin Dodds, Vice-President Academic and Research, Saint Mary's University; Nikki Toole; Jill Burns, Marketing Director, Park Lane and Terry Doran, Manager, West End Mall.



# Stadium to get new turf

Huskies Stadium, one of the most popular sites for outdoor athletic competitions and recreation in the region, is getting a much-needed facelift. Installed in 1981, the artificial turf exceeded the manufacturer's maximum 10-year life span, but now much of the field fibre has worn through and substantial gaps have developed between sections of the turf, making it dangerous to use.

Over half of the \$1.4 million for Saint Mary's new artificial turf comes from a reserve fund of

rental fees for its use during the last 11 years. The remainder of the cost is expected to come from individuals, corporations and foundations. Work on the turf is expected to be completed June 1; if weather conditions allow according to Bob Caissie, co-ordinator of facilities and operations at the Tower.

Since its installation, it is estimated that over 100,000 people have used the turf at Huskies Stadium for scheduled activities in addition to it being open to the public for unscheduled activities.

There are many events and memories tied up in the old turf including Atlantic Bowls and AUSA football championships, AUSA and national field hockey championships, soccer championships and the list goes on. Community events held at Huskies Stadium include: the Labatt's Lite 24-hour relay for the Abilities Foundation, Nova Scotia Special Olympics, high school championships and Canadian Soccer League exhibition games.

## Huskies winners

Here is a complete run-down of award winners for the 1991-92 season:

- Female Athlete of the Year: Monique Rafuse, BA (Volleyball)
- Male Athlete of the Year: Brian Thompson, BComm (Basketball)
- President's Award (Female): Shauna MacDougall, BComm (Volleyball)
- President's Award (Male): David Sykes, BA/BComm (Football)
- Female Rookie of the Year: Kelley Hiltz, BA (Soccer)
- Male Rookie of the Year: Jerrett DeFazio, BA (Hockey)

### Team MVPs

- |                    |                |
|--------------------|----------------|
| Men's Basketball   | Brian Thompson |
| Women's Basketball | Sharlene Falk  |
| Field Hockey       | Nancy Johnson  |
| Football           | Paul Tonet     |
| Hockey             | Tim Gilligan   |
| Men's Soccer       | Simon Day      |
| Women's Soccer     | Shelly Whitman |
| Track and Field    | Andrew Conrad  |
| Volleyball         | Ann O'Neill    |

### Vern Creighton Award (Manager of the Year)

- Kelly Porter, BComm (Women's Basketball)

### John Jones Memorial Award (Unsung Hero)

- Granville Eastman, BA (Football)

### Robert G. Hayes Award

(Outstanding Contribution from Community Member)

- Nick Spiropoulos

### Dr. David Petrie Award

(Outstanding Student Athletic Therapist)

- Heather Buckle

A football awards banquet held earlier in the month had five award winners as voted by the players:

- Team MVP - Alex Eliopoulos (linebacker)
- Offensive MVP - Sean Mongey (running back)
- Defensive MVP - Brian Johnson (linebacker)
- Rookie of the Year - Steve Sarty (wide receiver)
- Beaver Foods Award: the first player to rush 1,000 yds - Sean Mongey (running back)

## Robert G. Hayes Testimonial Dinner

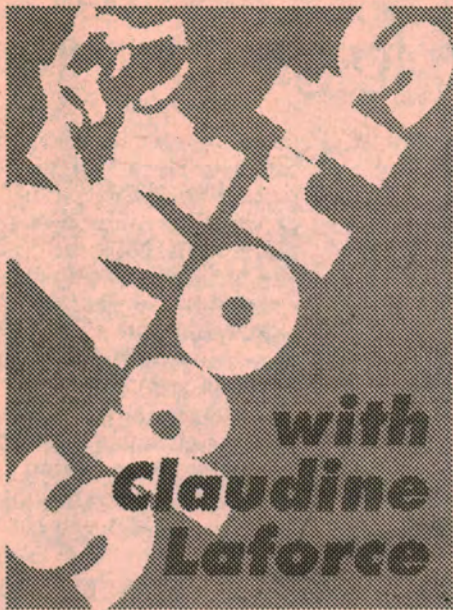


Saturday 2 May 1992  
Saint Mary's University  
The Tower  
Reception 7 pm  
Dinner 8 pm  
Business Attire  
Cash Bar  
\$50 per person

**Just a few tickets left - get yours soon!**

For information/tickets, Alumni Association:  
Tel: 420-5420 Fax: 420-5140





# Huskies win hearts of basketball fans

## From bottom to number 2

The Saint Mary's Huskies gained the respect and admiration of basketball fans across Canada with their determined and often aggressive play at the CIAU basketball championships during the weekend of March 20-22.

The Huskies went in at the bottom of the Final Eight ranking and came out number 2 in Canada. In between, 23,000 plus fans watched them battled their way through injury and adversity to lose the championship match by six points.

Huskies fever began in the team's opening match against Guelph. As the squad warmed up, a buzz of voices was heard around the stadium, 'Where is Brian Thompson?' In listing the starting lineups the announcement was made: "Brian Thompson of the Saint Mary's Huskies will not be playing due to illness." The question became: Can the Huskies win without him?

The answer was a resounding 'YES' as the Huskies pulled off a tight 52-50 win under the leadership of second-year player Will Njoku. Njoku poured in 28 points and pulled in 21 rebounds in 'the game of his life'. Thompson, in street clothes, holding a bag of fruit juices, was first off the bench to congratulate his team. "It's incredible how everyone on the team pulled together," said Thompson. "They played for themselves, for me, and for the Saint Mary's pride which overflowed the Metro Centre."

The second match against the Winnipeg Westman saw Thompson returning to the court and showing why he was named All-Canadian. He was described by the media as a 'one-man wrecking crew' as he poured in 22 points in the first half to lead his team to a 88-66 wipeout of the Westmen. Showing the strength from the bench, 11 of the 12-member Huskies squad scored in the contest.

The win over Winnipeg set the stage for a final against the Brock Badgers, ranked number one in the country. After leading the Badgers for most of the game, the Huskies lost their advantage when the Badgers scored a three pointer and made two free throws to put them



George Ghiz

**Brian Thompson goes for the hoop in CIAU basketball semi-final play against the Winnipeg Westman. The Huskies trounced the Westmen 88-66 before losing to the number one ranked Brock Badgers in the CIAU final.**

ahead with four minutes remaining in the game. Brock never looked back despite a valiant attempt by the Huskies to rally and the game ended Brock 77-Huskies 71.

Even though the final score of the game was disappointing, the effort put forward by the Huskies was not. They ended their season to a standing ovation of over 7,000 Metro Centre fans chanting S-M-U and Will Njoku's words, "We'll be back."

## Winners

Right: Shauna MacDougall of the women's volleyball team accepts the 1991-92 President's Award from Dr. Ken Ozmon.

Below: Members of the men's basketball team accept their Atlantic Universities Basketball Conference Cup to a standing ovation at the Athletic Awards



## Rafuse and Thompson take top awards

Volleyball player Monique Rafuse and basketball stand-out Brian Thompson were named female and male athletes of the year for the 1991-92 playing season.

Rafuse, a 22-year-old, fourth year Arts student from Middleton, N.S., has played every match with the volleyball Huskies since the program started in 1988. She led them to their first playoffs in team history during the 1991-92 season, and picked up 1991-92 AUAA All-Star honours.

Thompson, a 22-year-old, fifth year Commerce student from Halifax is a four-time AUUC All-Star, the 1991-92 league MVP and a 1991-92 All-Canadian. He also led the Huskies to the CIAU basketball final this season.

President's Awards for excellence in athletics, academics and leadership went to third year

## Complete list of award winners, page 15

Commerce/Arts student, David Sykes and fourth year Commerce student, Shauna MacDougall. Sykes, a dean's list student, was the starting quarterback for the football Huskies this season and led all AUAA quarterbacks in completions and passing yards. MacDougall, a member of the volleyball Huskies since its inception in 1988 has a 3.9 GPA and hopes to enter law school in the fall.