

*I hate quotations.*  
—Ralph Waldo Emerson



Solverson

"Surely one won't be missed", says Brian Weeks, as he is caught here picking a flower on the lawn in front of the Administration Building. With the recent low temperatures and frost warnings, the flowers won't be around much longer anyway. And although everyone is hoping for an Indian Summer, most of us suspect that the first snow is not far off. Brian is the son of JoAnn Weeks, Secretary for the History Department.

## Saint Mary's on Sable Island

Sable Island is now the home of a Saint Mary's University radio transmitter. Near the end of June a team from Saint Mary's went to the narrow (1 mile wide and 30 miles long) sandy island off Nova Scotia's eastern shore to make the installation.

Father William Lonc, S.J., of the Physics Department at Saint Mary's, and two assistants—physics students, Bill Campbell and Wayne LeMoyné—left Halifax at 6 p.m. on Thursday, June 26, on the C.C.G.S. Sir William Alexander. They arrived off Sable Island the next evening about 9 p.m. At 7 o'clock Saturday morning the three were transferred from ship to shore by helicopter. On shore they began digging the holes for the antenna tower.

The tower is 50 feet high and supports two antennae. One antenna is directed at Seaview, Cape Breton, 120 miles away where a receiving station will be located. The other antenna is directed at Halifax, 180 miles away. The Halifax receiving station is located on top of the Saint Mary's McNally Building.

Powered by the Sable Island diesel-generated power source, the radio transmitter will send out a continuous signal, periodically modulated with

## Nobel laureate to speak

DNA (deoxyribonucleic acid) may be described as a blueprint or a printed circuit which carries all the information that finally determines what any life form, including human, will be like. James Dewey Watson, one of the co-producers of the structural model of the DNA molecule and author of *The Double Helix*, will give a public lecture on DNA at Saint Mary's University at 8:00 p.m., Wednesday, November 12 in the Multi-purpose Room.

A person's body is made up of trillions of cells. Within each cell is a molecule whose design and make-up determines the structure of the whole body. These molecules vary slightly from person to person, giving one red hair and soft teeth, another long legs and weak eyes.

This molecule is called DNA. The way it is put together also makes the difference between humans and mice and between one form of bacteria and another.

Dr. Watson and Dr. Francis Crick produced the structural model of DNA in 1953. It is considered to be one of the most important pieces of work in the history of science. With an accurate model of DNA, scientists in the field of life reproduction and genetics could more easily learn how the reproductive process works and then how to actually alter that process and even life itself.

The make-up of the DNA model is relatively simple. And it is only the arrangement of two types of its component pieces that makes all the difference between one form of life and another. With the knowledge that came together in the model produced by Dr. Watson and Dr. Crick, and with today's advanced laboratory technology, scientists can manipulate these pieces to make duplicates of a certain life form (cloning) or to make totally new kinds of living things. This manipulation of the parts of DNA is called *recombinant* DNA because the molecule is taken apart and *recombined*.

This capability has led to a major controversy. On one side, scientists like Dr. Watson argue



Dr. James Dewey Watson

that great benefits can be gained by experimentally producing new life: for example, giving medical science a practical way to make vaccines against difficult-to-grow viruses such as hepatitis. On the other side, there is a fear that a new disease bacteria could be produced against which we would have no defense.

Dr. Watson and his collaborators were awarded the Nobel Prize for Medicine in 1962 for their work with DNA. His address is entitled "The Scientific Rewards of Recombinant DNA". Dr. Watson will speak at Saint Mary's as part of the visiting lecture program.

a Morse signal. Every four minutes the designation "VE1 SMU Sable Island" will be transmitted in Morse code.

By Monday noon, working in rough weather conditions and providing many of Sable Island's horses with a source of interest, the team had completed the installation of the antennae and has connected the transmitter. Their transfer back to the ship was via a landing craft as the weather was too rough for the helicopter. The installation operation ended Tuesday, July 1, at noon as the Saint Mary's team arrived back in Halifax.

The purpose of this Sable Island system is to provide a radio signal which can be studied for scientific and, eventually, economic purposes. The most important element of the Sable Island-Saint Mary's link-up is the fact that the path, over which the signal travels, is virtually 100 per cent salt water. With a relatively uniform path, this provides a good basis for studying



Lonc

The Saint Mary's University radio transmitter tower on Sable Island is a sturdy structure, having to withstand the rigours of North Atlantic weather.

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# Anthropology student taps museum resource

Keith Robertson, a student in the Saint Mary's Anthropology Department, took advantage of one of the features of the Nova Scotia Museum this summer. The Museum had a temporary loan of ceramic artifacts from Ontario but no one was actively working with them. Mr. Robertson, who is entering his graduating year of a B.A. program, as part of a course of Directed Independent Studies, seized the opportunity and was allowed to borrow the artifacts for study at Saint Mary's.

The artifacts with which Mr. Robertson worked were broken pieces of pottery material, ranging in size from about four square centimetres to about one hundred square centimetres. As he explained, "This study consisted of analyzing 126 sherds of prehistoric ceramic material. The sherds were excavated from the MacKay site, located in south-eastern Ontario. It has been determined that this site belongs to the Ontario Iroquois tradition. This period would date between 1000 A.D. and the beginning of the historic period (early 16th. century). By further examining written sources we find that these belong to the Pickering division of the Ontario Iroquois."

Mr. Robertson's work consisted mainly of study for the purpose of categorization of the sherds. To do this, he said, "It was necessary to create a list of attributes. An attribute is a

quality or characteristic which belongs to an artifact; it is a distinctive feature. These attributes would have a specific relationship with the ceramic material, which would aid in this classification." The attributes used were things like size, thickness, shape, designs present, and the manner in which the designs may be presumed to have been made.

The purpose of such study, in Mr. Robertson's case, is to provide experience in archeological research. This particular study, under the direction of Dr. Harold McGee of the Saint Mary's Anthropology Department, gave Mr. Robertson a chance to work directly with materials not normally accessible, and to perhaps add a small bit of information to the stock of knowledge, as a working archaeologist.

Mr. Robertson says, of the four sub-disciplines of Anthropology—linguistics, ethnology, physical anthropology, and archaeology, "I prefer to concentrate my efforts in the area of archaeology. This field allows me to combine several of my major interests: challenging and physical work, discovering the unexpected, prehistoric history, and historical research."

Earlier in the summer, Mr. Robertson worked at an archaeological dig on Prince Edward Island. He is currently the President of the Anthropology Society.



Keith Robertson

Solverson

## A feast of Shakespeare comedy

Halifax's Neptune Theatre and the Dalhousie Department of Theatre are collaborating on the presentation of a program of three Shakespeare comedies.

A weekend of Shakespeare Comedies sessions will be introduced at a Dalhousie Faculty Club Tea, October 20. Interested persons will have the opportunity to meet Neptune Theatre director and actor, John Neville, and Denise Coffey (director of the fall Shakespeare productions at Neptune) and members of the cast.

The Neptune company will present *Much Ado About Nothing*, which opens on October 24, and *The Taming of the Shrew*, opening October 31, in repertory at Neptune Theatre. *Two Gentlemen of Verona* will be produced by the Dalhousie University Department of Theatre. It will open at the Dalhousie Arts Centre on November 12 for a short run before joining the Neptune repertory program for its last weekend.

A Feast of Shakespeare Comedies, a series surrounding the three productions, will be presented on November 21 and 22 by the Office of Part-Time Studies at Dalhousie and the Theatre Department of Dalhousie University in cooperation with the Neptune Theatre in the Dunn Theatre of the Dalhousie Arts Centre.

The weekend "feast" will include lectures, receptions, medieval music and dance, a period costume and art exhibition, a panel discussion with Neptune and Dalhousie members, and *Sweet Swan of Avon*, a theatrical creation of John Neville's.

The fee for all sessions, including a ticket to the play on Saturday evening, is \$14.00 per person or \$25.00 per couple (special rates for students).

For further information, please call Katharine Rice, Part-Time Studies and Extension, Dalhousie University, at 424-2375.

## Polish scientist visiting research associate at Saint Mary's

Dr. Ewa M. Bem is a visiting research associate from the Medical Academy in Lodz (Poland).

Dr. Bem is working with Dr. Clive Elson, a member of Saint Mary's University Chemistry Department.

They have been involved in research involving the determination of toxic heavy metals (lead, cadmium, arsenic, etc.) in fish oils. One of the reasons behind this kind of research is that

these fish oils are processed into food stuffs and end up on our table.

The research has two aims: 1) to determine if the metal level satisfies the World Health Organization standards, and 2) to study how the metal concentration varies during processing.

Dr. Bem plans to return to Poland to continue research in her field, while Dr. Elson continues his research on trace metal analysis at Saint Mary's University.



Dr. Ewa Bem

Stevens

# New faculty and staff

## Academic appointments

The following is a list of new full-time faculty members at Saint Mary's University for the 1980-81 academic year. Not all names are new to Saint Mary's, as a number have held part-time positions previously, and some have been on one-year appointments.

### Faculty of Arts

Anthropology: Ms. Rose Marie Jaquith

English: Dr. Wendy Katz

History: Ms. Mary Boyd

Geography: Mr. Peter J. Ricketts

Sociology: Mr. L. Gene Barrett

### Faculty of Commerce

Accounting: Mr. David H. Bateman  
Halifax, Nova Scotia

Mr. Barry Gorman

Economics: Mr. Vladimir Bajic  
Toronto, Ontario

Mr. M. Hasan Imam  
London, Ontario

Dr. Patrick T. Owens  
Kingston, Ontario

Finance and management

Science: Ms. Janet R. Gregory

Ms. Lenore M. Lynch  
Halifax, Nova Scotia

Mr. Malcolm Stebbins  
Lansing, Michigan

Management: Mr. John R. Gale

Marketing: Ms. Mallika Das  
Halifax, Nova Scotia

Ms. Corinne Duffy

### Faculty of Science

Astronomy: Dr. J.N. Scrimger

Chemistry: Dr. Richard F. Langler  
Mount Allison University  
Sackville, New Brunswick

Mathematics: Dr. Arthur S. Finbow

Dr. B.L. Hartnell  
Sir Wilfred Grenfell College  
Memorial University of  
Newfoundland  
Corner Brook, Newfoundland

Psychology: Dr. William James Jacobs  
Dalhousie University  
Halifax, Nova Scotia

## Development and Alumni

The functions of the Development and Alumni offices have been made more distinct and separate. Charles A. Vaughan is Director of Development. Lawrence (Laurie) W. Smith is Director of Alumni.

## Student Services

### New Acting Director

Dr. Peter March has been appointed Acting Director of Student Services for the 1980-81 academic year. Dr. March has been a member of the Saint Mary's faculty in the Faculty of Education and in the Philosophy Department.

### Coordinator of Counselling

Mr. David Leitch is the new Coordinator of Counselling.

Mr. Leitch is a native of Halifax and has studied at Dalhousie University, receiving the degrees of B.A., B.Ed., B.Sc., and M.A. In his

work in the fields of psychology and counselling he has taught at Saint Mary's and Dalhousie and has conducted numerous human relations training sessions in the city. He has been the Executive Director of Help Line and Volunteer Bureau since 1973.

Mr. Leitch has been the author of a number of articles on social issues in the *Chronicle Herald* and *Mail Star*, and has served on several citizens' committees.

Mr. Leitch and his wife, Judith, have two daughters, Jennifer and Melissa.



David Leitch

## Change in the Canada Council Killam Program

The Canada Council Killam Program has announced the creation of the Izaak Walton Killam Memorial Prizes in Science, Engineering and Medicine. These prizes will replace the Izaak Walton Killam Memorial Scholarships.

The Canada Council will award up to three Killam Memorial Prizes a year, using funds donated by Mrs. Dorothy J. Killam before her death. The prizes, each worth \$40,000, and ordinarily tax-free, are intended to honour eminent Canadian scholars actively engaged in research, whether in industry, government agencies or universities.

The prizes will not be related to a particular achievement, but rather will be given in recognition of a distinguished career and a general contribution to one of the fields of the natural sciences, medicine or engineering.

To be eligible for the prizes, scholars must be Canadian citizens and must be nominated by experts in their respective fields.

For additional information, please contact the Senate Office at Saint Mary's or write to the Canada Council Killam Program.

Ukrainian historian

## Valentyn Moroz

will give a public lecture on

## Human Rights and the Soviet System

Theatre Auditorium  
Saint Mary's University  
Tuesday, October 28, 7:00 p.m.

Sponsored by the  
Holy Ghost Ukrainian Catholic Church  
of Sydney, Nova Scotia

## Saint Mary's on Sable Island

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such things as the correlation between weather conditions and the quality of transmission. Father Lonc points out that as commercial activity increases on Sable Island, in gas and oil production, the findings of the Saint Mary's research could be very useful. "For example, it could help the Department of Communications

in assigning frequencies for the Island's radio transmissions."

The project is being conducted as a one-year contract with the Department of Communications, Communications Research Centre, Ottawa.



Father William Lonc, S.J., (left) and assistant, Bill Campbell, discuss the Sable Island project in the calm of the Saint Mary's Physics Department.

# News from the Canada Employment Centre on Campus

## New manager for the Centre



Don Lawrence

Don Lawrence is the new manager of the Canada Employment Centre on Campus at Saint Mary's University.

Mr. Lawrence holds a B.A. in political science from the University of California at Los Angeles and an M.A. in political studies from Queen's University. He has done further studies in international relations at the University of British Columbia.

Mr. Lawrence has lived in Halifax for the last six years. Prior to coming to Saint Mary's, he worked in the Canada Employment Centre on Campus at Dalhousie University for three years.

Mr. Lawrence and his wife, Terry Roane, have a daughter, Kimberley.

John Rodgers, former manager of the Centre, left Saint Mary's to open a new Canada Employment office at the Technical University of Nova Scotia.

## Careers-Education Day

The 4th Annual Careers-Education Day will be held in the Loyola colonnade at Saint Mary's University, Thursday, October 16 from 10:00 a.m. to 4:00 p.m.

Careers-Education Day provides an opportunity for a cross-section of leading employers to come on campus and meet with students who desire information about possible careers with those types of employers and organizations after graduation. The employers have the chance to outline to students what degrees, courses, and kind of employee their company or organization hires when and if they are recruiting university graduates.

Former manager of the Canada Employment Centre on Campus and organizer of Careers-Education Day, John Rodgers, explained why the event is held so early in the year. "The purpose is to enable students to make educated and relevant choices when planning their education rather than have them apply to a company or organization at a later date and only then find out they lack the required degree or courses for their desired employment."

Remarking on the degree of success in past years, Mr. Rodgers said, "Students who previously had little knowledge of the job market have been helped a lot. Employers report that students are more inclined to sign up for interviews and to apply to their companies or organization as well as come better prepared when they do apply to them for employment in their graduation year."

Each employer is provided with the space required and a knowledgeable representative of that employer will be on hand to talk to interested students. Students can visit the colonnade area throughout the day and meet with employers on a one-to-one basis, pick up information materials, and watch audio-visual presentations. Mr. Rodgers said that the organizers try to invite at least two employers from each area of career choices so that students from all faculties will find areas of their particular interest. Normally about forty to fifty employers take part.

Careers-Education Day is sponsored jointly by the Canada Employment Centre on Campus and the students of AIESEC (International Association for Students of Economics and Commerce) with the assistance of the University.

## Employment Advisory Board formed

The connection between Saint Mary's students and the employment market should improve with a recent innovation from the Canada Employment Centre on campus. The formation of an Employment Advisory Board on campus, organized by John Rodgers, who has since moved from the position of manager of the Employment Centre at Saint Mary's, is expected to enhance the activities of the Centre.

While programs designed to help students, particularly graduating students, find employment have been active and successful it has been felt that the prospects could be even better if a broader cross-section of the University community was aware of, and involved in, student employment activities. The Employment Advisory Board will include representation from most Faculties, Student Council, Student Services, Alumni, and Information and Public Relations.

Mr. Rodgers, speaking about the new board, said, "The need for an Employment Advisory Board on campus has been under consideration for some time. Dr. Ozmon agreed with the idea and gave us his permission to proceed. The Deans of Arts, Commerce, and Science also thought the idea was excellent and each agreed to appoint a faculty member to represent his Faculty. Dr. Jopling of the Commerce Faculty, suggested that we add a separate member for the accounting and M.B.A. departments.

"Over 80 recruiters came on our campus last year to interview our students. Some faculty members felt that our office was not doing enough to attract recruiters for their particular students. We in turn had complaints from recruiters and had to cancel some recruiter visits when no students signed up for interviews.

"It is felt that by setting up an Employment Advisory Board the advice and experience of professors plus that of the other Board members will help us to improve our service both to the students and to the employers. Board members will also know exactly what we are doing (or cannot do). They might be able to help this office in areas where we may be having difficulties in attracting certain recruiters to come on campus. By having a direct line to all students through professors and other Board members, all students would be aware of what we might be able to do for them in the employment area."

The first meeting of the Board will be held in October. Terms of reference and times for future meetings will be established at that time.



The Canadian Armed Forces is one of the many organizations represented at the annual Careers-Education Day at Saint Mary's.

## Students —What are your odds in a crisis?

To increase your chance of survival, the Quota Club of Halifax and CHNS Radio offer a life-saving opportunity to university students, whether living on or off campus. People can be caught in unexpected crises, and students are no exception.

Students are encouraged to complete a VIAL OF LIFE record form, place it in a labelled vial or small bottle, tape it in location as instructed, and use an "alert" decal on the door. This can assist rescue personnel to resolve a crisis more successfully.

Forms and decals are available at Saint Mary's from Student Services, Health Services, and the Residence Office.

# Art Gallery News

## "Lunch with ART" at Saint Mary's Art Gallery

A new program entitled "Lunch with ART" will be offered this year at Saint Mary's University Art Gallery. The lunch-time series will feature music and dance performances, films on art, and talks on a wide variety of subjects ranging from the treatment of the human form in art to modern Science Fiction.

The events will take place every Friday at 12:30 p.m. in the Art Gallery, running from September 26 to December 5, and from January 9 to April 10. The Gallery will open at 12:10. Admission is free.

## "Lunch with ART" presents Douglas Reach

Classical guitarist Douglas Reach will be featured in recital at Saint Mary's on Friday, October 17 at 12:30 p.m. This recital is part of the Saint Mary's University Art Gallery's "Lunch with ART" program.

Mr. Reach attended Dalhousie University where he was a student of Carl van Feggeln, after earlier studies in San Francisco with Manuel Lopez Ramos. He has received grants from the Canada Council, the Banff School of Fine Arts, and the Aspen Music Festival, enabling him to study under internationally famed guitarist Oscar Ghiglia.

Critical praise for his sensitive musicianship and fine technique has met the many concerts Mr. Reach has given across Canada, including engagements with the contemporary music group Nova Music in Halifax and a series of concerts for Les Jeunesses Musicales du Canada. He has performed numerous times on C.B.C. radio, both locally and nationally, and has taped a C.B.C. television special.

The Art Gallery will open at 12:10. Admission is free.



Doug Reach

## lunch with ART

Fridays at 12:30

### October 3

Films on artists from the National Film Board  
"Painting a Province"  
"Eskimo Artist—Kenojuak"  
"Pictures Out of My Life (Pitseolak)"  
These films feature various artists represented in the Saint Mary's University Permanent Collection.

### October 10

Films on dance from the National Film Board  
"Feux Follets"  
"Canadians Can Dance"  
"Dance Class"

### October 17

Doug Reach, classical guitarist

### October 24

Stephen Pedersen, flautist with  
Monique Gusset, pianist

### October 31

Talk by Peter March  
"The Human Form and the Artistic Form"

## art gallery

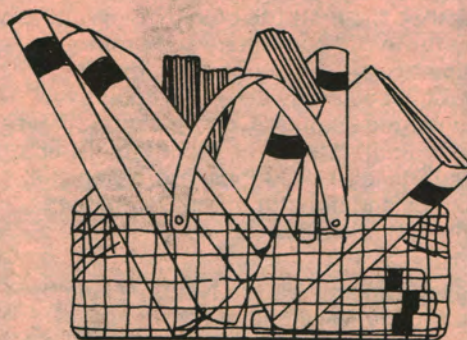
Saint Mary's University

# Saint Mary's University Bookstore

## GIANT BOOKSALE

Multi-purpose Room    October 6, 7, 8

Texts  
Study guides  
Old editions  
Paperbacks



All subjects

ROCK BOTTOM PRICES

# Faculty Publications

C. Dupuy, J. DOSTAL (Geology), M. Liotard, "Partitioning of transition elements between clinopyroxene and garnet". Published in *Earth and Planetary Science Letters* 48, 303-310.

RONALD G. LANDES (Political Science), "The Political Socialization of Canadian Youth". Published in K. Ishwaran (ed.), *The Canadian Family* (Toronto: Holt, Rinehart and Winston, 1980), revised edition, forthcoming.

RONALD G. LANDES (Political Science), JOSEPH G. JABBRA (Political Science), "The Impact of Sociopolitical Cleavages on Support for Democratic Orientations Among Canadian Adolescents in Nova Scotia". Published in *Indian Political Science Review* (July, 1981), forthcoming.

WILLIAM LONC, S.J. (Physics), "Microwave Propagation in Dielectric Fluids". Published in *American Journal of Physics* August 1980.

WILLIAM LONC, S.J. (Physics), "Mechanical start-stop gates for air tracks". Published in *American Journal of Physics* August 1980.

HAL SCHROEDER (Management), "Advertising to Children: Some Views from Atlantic Canada". Published in *Canadian Consumer*.

# Noteworthy Notes

DR. GAMAL BADAWI (Management) has participated in a series of programs entitled "Islam in Focus" on Dartmouth Cablevision, Channel 10. Dr. Badawi has the video tapes of all past shows, as well as the current series, and they can be made available to any department that may wish to use them.

DR. A.J. FARRELL (Modern Languages and Classics) presented a paper, "Imagen, motivo y técnica dramática en *El Niño inocente de La Guardia*", at the First International Conference on Lope de Vega and the Origins of the Spanish Theatre, sponsored by the Consejo Superior de Investigaciones Científicas and held at its headquarters in Madrid, Spain, June 30-July 6, 1980. The paper grew out of his preparation of a critical and annotated edition of the seventeenth-century play, a project supported by a research grant from the Canada Council.

DR. NATHAN KLING (Marketing) attended a conference on "Marketing the College and University" in Chicago, May 1 and 2, 1980.

FATHER WILLIAM LONC, S.J. (Physics) gave a talk on "Radio Telescopes at Saint Mary's" to a Meeting of the Royal Canadian Astronomical Society, held on September 19 at the Nova Scotia Museum.

FATHER LONC, assisted by MARTIN MACDONELL and TREVOR SMEDLEY (students in the Physics Department) conducted a workshop on the P.E.T. microcomputer for high school teachers on September 11.

DR. ROBERT MCCALLA (Geography) has done a series of five programs on "Shipping and Ports—Canadian Perspective" for the ATV University of the Air program series.

DR. F. MINER (Management) has been elected as Academic Reviewer, Organizational Behaviour Division, Administrative Sciences Association of Canada.

DR. JAMES MORRISON (International Education Centre) held a one-day workshop on Oral History in Guysborough on July 26, sponsored by the Federation of Museums, Heritage and Historical Societies of Nova Scotia.

MR. JEAN ROY, a second-year student in Geology, was the recipient of an award from the Mineralogical Association of Canada for excellence in optical mineralogy.

DR. HAL SCHROEDER (Management) was elected Program Chairperson of the Administrative Sciences Association of Canada, Policy Division.

DR. SCHROEDER was an invited panelist at a Symposium on Social Issues in Management Curriculum at the Annual Meeting of the Academy of Management in Detroit.

DR. SCHROEDER presented a paper entitled "Policies Related to Big Business in Canada: Some Divergent Assumptions" at the Annual Conference of the Eastern Economic Association in Montreal.

## Notes from AUCC . . .

### NSERC gives priority to equipment funding

In 1980-81 the Natural Sciences and Engineering Research Council (NSERC) will spend \$24.9 million on equipment funding, an increase of \$11.3 million or 83% over 1979-80 funds designated for that purpose. Because the increase became available after the deadline for equipment grant applications for the February 1980 competition, the funds will be allocated through various programs: \$10.6 million will be added to equipment components of grant and scholarship programs; \$6.5 million will be allocated to major equipment installation maintenance and operating costs; \$5.1 million will be awarded later in the year and \$3.1 million will be awarded for equipment associated with strategic grants, grants for project research applicable in industry (PRAI) and projects in intermediate and high energy physics. NSERC has appointed a task force, chaired by Dr. F. Siller, associate dean of professional programs at the University of British Columbia, to report this fall on funding priorities for research equipment and to recommend the most efficient use of university equipment in the context of all research equipment available.

### Banks seek new deal on student loans

Negotiations will take place this fall on policies governing interest rates on Canada student loans. The chartered banks will be represented by the Canadian Bankers Association and the federal government by representatives from the Department of the Secretary of State, which administers the program, and the Department of Finance. The interest rates on student loans are currently pegged to the average annual yield on Canada Savings Bonds. The banks would prefer that the rates be pegged to the prime rate. Students may have to shop around for loans this year as several campus branches have closed and one major bank with a campus branch will limit student loans to 50% of its portfolio at any branch.

### Women officer cadets enrol at military colleges

The first group of 52 women are enrolled at Canadian military colleges for the 1980-81 academic year as full-fledged officer cadets. Following basic officer training camp, 32 women will enrol at Royal Military College at Kingston and 20 will go to Collège Militaire Royal de Saint-Jean, Quebec. The groups will live in co-ed

residences on campus and will be assimilated into all college activities. A small number of women in the armed forces had previously continued with advanced studies at the military colleges while living off campus.

### Manitoba psychology class wins appeal on final marks

A class of graduate students in psychology at the University of Manitoba has won an appeal of the final marks of the entire class. The appeal, which charged unfair evaluation of the students' performance by the professor, was heard first by the departmental appeals committee which agreed to change all but two of the marks to "pass" (two had failed). The entire class, represented by legal counsel, then appealed to the university's board of graduate studies on behalf of the two students not affected by the departmental appeals committee decision. The board upheld the appeal, giving the entire class a "pass" mark on university records. The statistics course is required for master's and doctoral degree candidates in experimental psychology.

### Fisheries research institute established at Simon Fraser

To offer consulting services to the fishing industry, Simon Fraser University has established the Institute of Fisheries Analysis. The institute will coordinate and promote fisheries research in economics, biology, geography, sociology and anthropology as well as sponsoring seminars, doing contract research and encouraging teaching programs. Director of the institute is Dr. P. Copes, professor of economics and director of the Centre for Canadian Studies (604-291-4893).

### Increased funding for the National Health Research and Development Program

Limited funds are available in the current fiscal year through the National Health Research and Development Program for assistance in formulating research proposals and for conferences, workshops and symposia. The program had been partially curtailed following federal budget cuts announced in September 1978. Grants up to \$15,000 are available for the development of applications for research funding. Grants up to \$5,000 are available for the support of national meetings aimed at

producing new information and facilitating health research. Applications should be addressed to: Director, Grants and Contributions Division, Extramural Research Programs Directorate, Health Services Promotion Branch, Health and Welfare Canada, Ottawa, K1A 1B4 (613-992-7570).

### New life form patented in USA

The US Supreme Court reached a landmark decision in June ruling that man-made life forms can be patented under existing US laws. Precedents for patenting the processes by which the new life forms are developed existed previously in both the US and Canada. The test case involved a new strain of pseudomonas bacteria, developed by a microbiologist working for the General Electric Company, that is capable of degrading the main components in crude oil, making it useful in controlling oil spills. At the time of the ruling, the US patent office had a backlog of 114 applications for patents on laboratory-developed organisms. Canadian patent laws, as they apply to life forms, have yet to be tested in the courts. Canada Patents and Development Limited, a crown corporation, has applied for a US patent on man-made insulin developed by Dr. Saran Narang, a Canadian scientist working for the National Research Council. A Canadian patent application on the new product has not been made at this time.

### CCAC publishes code of ethics for animal experimentation

The Canadian Council on Animal Care (CCAC), an autonomous advisory body operating under the aegis of the AUCC, has issued a statement of ethical guidelines for animal experimentation which has been adopted by the federal granting councils and federal government departments. Funding from these sources will depend upon compliance with the guidelines. The guidelines seek to ensure that experiments using vertebrates will lead to the protection and improvement of the health and welfare of either humans or animals. The underlying principle of the 11 tenets is the reduction of pain and suffering in the experimental animals and the prevention of indiscriminate use of animals in teaching and research. For copies of the guidelines contact CCAC, 1105 - 151 Slater Street, Ottawa, K1P 5H3.

## Children's courses announced

The Saint Mary's University Faculty Women's Association is organizing a number of short courses for children this fall and winter. Three courses in crafts and a course in French will be offered for children aged 8 to 12 years, and children are to bring their own supplies for each course.

Crochet, knitting, and embroidery will be taught by Krishna Murty in her home, Saturdays, 1:00-2:30 p.m., beginning October 18.

Macramé will be taught by Ruth Schwind at Saint Mary's, Saturdays, 2:00-3:30 p.m., beginning October 11.

Later in the fall, beginning November 29, Christmas Decoration Making will be taught by Lise Fillmore and Jackie Young at Saint Mary's, Saturdays from 10:00 a.m. to 12 noon.

French will be taught by Lucille Nadeau at Saint Mary's, Mondays, 4:00-6:00 p.m., beginning October 20.

A fee of \$5.00 is required for each of these four-week courses. Registration for the children's courses will take place at the Faculty Women's Association's Fall Tea, Sunday, October 5, 3:00-5:00 p.m. for members who wish to attend. Other persons wishing to enroll their children may call Jackie Young at 425-5415.

Plans are also being made for a number of courses for adults: courses like polish sausage making, stained-glass craft, international cooking, and a mini-course in small business. It is also hoped that a course in carpentry will be offered for children. Details of these will be publicized when they are available.

In introducing the program of short courses, Association president Jackie Young said, "The courses are open to anyone and we'd really like to see them filled and active. The children's courses are an especially good bargain. I think that they're the first to be offered at Saint Mary's." For more information on the program or registration, Mrs. Young can be reached at 425-5415.

## Recruits needed for Santamarian staff

To many students, the *Santamarian*, the Saint Mary's University student yearbook, is probably the single most important campus publication. While academic calendars and other information pieces are discarded as soon as their immediate purpose has been fulfilled, the *Santamarian* may well increase in "value" to the Saint Mary's graduate over the years.

As with most university yearbooks, the *Santamarian* covers the full range of activities of the school year with photographs, often candid, and includes photos of the graduating class and literary items. The publication is presented to each Saint Mary's graduate, its cost being included in student council fees.

As in every year, the *Santamarian* is in need of staff to work on the current year's issue. Editors Kent Pond and Heather Grant are in place, but staff members are required to do photography, design, layout, and a number of other necessary tasks. People are also invited to submit literary works and drawings. Kent Pond says, "We need people to give their time, effort, and talents in all areas to help make the 1980-81 *Santamarian* the best yet."

He and Heather Grant invite any interested persons to stop by the Yearbook Office on the fifth floor of the O'Donnell-Hennessey Student Centre or call them at 422-1201.

## News from the IEC



A delegation from the University of Sokoto, Nigeria visited Saint Mary's on September 9. Photographed at the International Education Centre are: (left to right) Dr. James Morrison, director of the IEC; Anthony Nwabughuogu, a native of Nigeria engaged in graduate studies at Dalhousie University and an IEC resource person; Dr. C. Ikoku, Deputy Vice-Chancellor (Academic), University of Sokoto; Dr. S.A.S. Galadanci, Vice-Chancellor, University of Sokoto.

## IEC To Host Disarmament Conference October 24-25

"Canada's Foreign Policy in the '80s" will be the topic of a two-day conference to be held at the International Education Centre, Saint Mary's University, October 24 and 25. The conference is part of United Nations Disarmament Week.

The keynote address on Friday, October 24, will be on "The Arms Race and World Development Needs", to be given by Dr. Ronald Huisken of the UN Centre for Disarmament in

New York.

Other speakers on the program include Prof. James Eayrs and Prof. Kenneth Booth of the Department of Political Science, Dalhousie University; Mr. David Jones, director of the Russian Research Centre of Nova Scotia; Ms. Berit Ås, a member of the Norwegian Parliament; and Mr. Ibrahim Msabaha, a doctoral student from Tanzania.

## National conference on learning opportunities for women

The Education Connection, a national conference on learning opportunities for women, is expected to be the largest of its kind ever held in Canada. Co-sponsored by Mount Saint Vincent University and the Canadian Congress for Learning Opportunities for Women, it will be held October 17 to 19 at the Mount campus.

The conference marks the midpoint of the UN Decade for Women and will examine the connection between women, their learning opportunities, and their economic, social and political status in today's world. Recommendations will be made to government and national organizations based on conference findings, said conference co-ordinator Dr. Janet Eaton.

"Workshops will be aimed at unionized women, low-income women, women re-entering the labour force and many others. We hope to examine the learning needs of women who have perhaps been previously overlooked," she said. To insure participation by low-income women, financial assistance has been obtained from the Continuing Education Section of the Nova Scotia Education Department.

The conference is expected to have strong representation from French as well as English Canada with prominent French Canadian women to address the proceedings, including Louise Harel, Vice-President of the Parti Quebecois and Lucie Pepin, Vice-President of the Canadian Advisory Council on the Status of Women.

Among those addressing the English sessions will be Dr. Berit Ås, Member of the Norwegian Parliament and social psychologist and Dr. E. Margaret Fulton, President of Mount Saint Vincent University.

Funds for translation services have been provided by the Department of the Secretary of State.

Workshop sessions will examine sexism in education, women re-entering the labour force, learning opportunities in unions, drug dependency, organizing women, women educators as agents of change, training programs for low-income women and other areas related to women and their learning opportunities.

For further information contact the Centre for Continuing Education, Mount Saint Vincent University, 443-4450, Ext. 243.

### Group Equity Values

For the information of Saint Mary's faculty and staff concerned with pension contributions, the following figures are provided by Dr. J.J. Vorstermans, Department of Economics:

30 May	1980	— 264.89
13 June	1980	— 271.12
20 June	1980	— 269.96
27 June	1980	— 270.05
4 July	1980	— 270.05
1 August	1980	— 272.55
8 August	1980	— 277.10
15 August	1980	— 279.32
22 August	1980	— 280.31
29 August	1980	— 277.15

at the art gallery

## "William Leeming and Pavel Skalnik"

Paintings and prints

**October 1-November 9**

In the small gallery:  
Alex Colville prints

## Saint Mary's meets Challenge

The Saint Mary's University team entered in "Corporate Challenge 1980" placed 12th in a field of 33 competing teams. The competition, involving fun and fitness events, saw the Saint Mary's team win the "Long, Long, Long Jump" event, place third in the "Obstacle Course", fourth in the "Bureaucratic Shuffle", and eighth in "Pass the Buck".

The Saint Mary's team was made up of Belinda Gallagher (team captain), Graham Black, Peter Lambly, Monica MacKenzie, Paula McGrath, Kathy Mullane, Gwyn Pace, "Smooch" (the bleacher creature), Dan Stone, Doug Vaisey, and Bill White.

Team reporter, 4-eyes Farraghat (???), said after the meet, "Training for the 1981 team begins tomorrow! Our goal is the National Finals."

## Sift

Sift 6, the sixth edition of the journal sponsored by the English Department at Saint Mary's University, has been published and is on sale in the English Department office. The price is \$1.00.

## Reminder to students

First Semester Fees must be paid in full by no later than October 14, 1980. Any unpaid balance will result in a late payment fee of \$40.00.

If fees are to be paid by a Canada Student Loan or a Provincial Bursary which has been delayed, the late payment charge may be waived if the student provides evidence of the delay to the Business Office.

(See Regulation 10b and 10c in the Financial Information Section of the 1980-81 Academic Calendar.)

# The Man Who Came To Dinner is coming to Saint Mary's

The Saint Mary's University Dramatic Society will present "The Man Who Came To Dinner" as its major production for the autumn season. The popular comedy by Moss Hart and George S. Kaufman has long been a favourite with nonprofessional groups. The Dramatic Society's production of the play in 1965 had a very successful run.

Faith Ward will direct this production. She recently returned from a two-year stay in England and is again living in Halifax. Ms. Ward is well known to Halifax audiences, both for her work as an actress with Neptune Theatre and as Director of a number of plays during the past fourteen

years for the Saint Mary's University Dramatic Society.

Auditions have already been held and most of the twenty-four characters have been cast. The Dramatic Society at Saint Mary's is an active organization that draws upon the talents of students, faculty, staff, and friends of the University.

"The Man Who Came To Dinner" will run from Wednesday, November 12 through Sunday, November 16 in the Saint Mary's Gymnasium Auditorium at 8:00 p.m.

## Schedules

### ARENA

Students, faculty, staff skating  
Monday, Wednesday, Friday  
12:00 noon-2:00 p.m.  
Sticks and pucks allowed  
Tuesday and Thursday 8:00 a.m.-2:00 p.m.

### ART GALLERY

Monday closed  
Tuesday to Thursday 1:00 p.m.-7:00 p.m.  
Friday 1:00 p.m.-5:00 p.m.  
Saturday, Sunday 2:00 p.m.-4:00 p.m.

### BOOKSTORE

Monday, Tuesday, Thursday, Friday  
9:00 a.m.-4:30 p.m.  
Wednesday 9:00 a.m.-7:30 p.m.

### CONTINUING EDUCATION

Monday, Tuesday 9:00 a.m.-8:00 p.m.  
Wednesday to Friday 9:00 a.m.-5:00 p.m.

### LIBRARY HOURS

Monday to Friday 8:15 a.m.-11:00 p.m.  
Saturday 9:00 a.m.-5:00 p.m.  
Sunday 1:00 p.m.-11:00 p.m.

### GORSEBROOK LOUNGE

Monday to Wednesday 3:00 p.m.-12:00 midnight  
Thursday to Saturday 3:00 p.m.-1:00 a.m.

### BURKE-GAFFNEY OBSERVATORY

Tours—Every Saturday  
Meet in Room L 152 at 7:00 p.m.

### RELIGIOUS SERVICES

**University Mass**  
Sunday 7:00 p.m.  
Canadian Martyrs Church, Inglis Street

### Weekday Mass

Monday, Wednesday and Friday 12:30 p.m.  
Liturgical Centre L 145  
Tuesday and Thursday 12:00 noon  
Liturgical Centre L 145

**Ignatius Chapel** (opposite Royal Bank)  
Open Monday to Friday for Prayer and Meditation

### Chaplain

Father John Mills  
L200, extension 181, 157 or 422-2223

### SWIMMING POOL

Open swimming  
Monday to Thursday 7:00 p.m.-10:00 p.m.  
Monday, Wednesday, Friday  
12:00 noon-1:00 p.m.  
Friday 6:00 p.m.-9:00 p.m.  
Saturday 2:00 p.m.-5:00 p.m.  
Sunday 2:00 p.m.-5:00 p.m.  
6:00 p.m.-9:00 p.m.

### FOOD SERVICE HOURS

**Residence Cafeteria**  
Monday to Friday:  
Breakfast 7:30 a.m.-9:30 a.m. (full course)  
9:00 a.m.-10:30 a.m. (continental)  
Lunch 11:30 a.m.-1:15 p.m.  
Dinner 4:30 p.m.-6:30 p.m.  
Saturday and Sunday:  
Brunch 11:30 a.m.-1:30 p.m.  
Dinner 4:30 p.m.-6:15 p.m.

### Private Dining Room

Monday to Friday 11:30 a.m.-1:30 p.m.

### Faculty Lounge

Monday to Friday 8:00 a.m.-3:45 p.m.

### Student Centre Cafeteria

Monday to Friday 8:00 a.m.-6:00 p.m.  
"Steak'n Stein"  
Thursday and Friday 4:00 p.m.-6:00 p.m.

### Coffeehouse, Loyola Building

Sunday to Thursday 8:30 p.m.-12:00 midnight  
Friday and Saturday 11:00 p.m.-2:00 a.m.

### Deli Bar, Loyola Building

Monday to Friday 11:30 a.m.-1:30 p.m.

### Mini Mart, Loyola Building

Monday to Friday 8:00 a.m.-11:00 p.m.  
Saturday and Sunday 11:00 a.m.-11:00 p.m.

### Coffee Cart, First Floor Colonnade

Monday to Thursday 9:00 a.m.-9:00 p.m.  
Friday 9:00 a.m.-3:00 p.m.

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Deadline for next issue is October 20, 1980.  
Editor - Liz Stevens

## Sports Schedule

(Bold face indicates home games.)

Wednesday, October 1	Soccer	St. F.X. at Saint Mary's	4:00 p.m.	Saturday, October 25	Football	U.N.B. at Saint Mary's	2:00 p.m.
Friday, October 3	Field Hockey	Saint Mary's at Acadia	4:00 p.m.			A.U.A.A. Cross Country at M.U.N.	
Saturday, October 4	Football	St. F.X. at Saint Mary's	2:00 p.m.	Sunday, October 26	A.U.A.A. Tennis at U. de M.		
Wednesday, October 8	Soccer	Saint Mary's at Dal	4:00 p.m.			Soccer	Dal at Saint Mary's 2:00 p.m.
Saturday, October 11	Field Hockey	Saint Mary's at Dal	2:00 p.m.	Tuesday, October 28	Soccer	Saint Mary's at Acadia	3:00 p.m.
Sunday, October 12	Soccer	Mt. A. at Saint Mary's	2:00 p.m.	Wednesday, October 29	Field Hockey	Dal at Saint Mary's	3:00 p.m.
Wednesday, October 15	Field Hockey	St. F.X. at Saint Mary's	3:30 p.m.	Saturday, November 1	Football	Mt. A. at Saint Mary's	2:00 p.m.
Saturday, October 18	Football	Saint Mary's at Acadia	2:00 p.m.			A.U.A.A. Field Hockey Playoffs at Home of West Winner	
	Soccer	Acadia at Saint Mary's	2:00 p.m.			A.U.A.A. Soccer Playoffs at Home of East Winner	
	Field Hockey	U.N.B. at Saint Mary's	3:00 p.m.			A.U.A.A. Field Hockey Playoffs at Home of West Winner	
Sunday, October 19	Field Hockey	U. de M. at Saint Mary's	1:00 p.m.	Sunday, November 2			
Tuesday, October 21	Soccer	Saint Mary's at St. F.X.	2:00 p.m.			A.U.A.A. Soccer Playoffs at Home of East Winner	