

# The TIMES



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## All-Canadian supernova discovered at Saint Mary's

The first all-Canadian supernova, some 70 million light years away, was discovered at Saint Mary's University's Burke-Gaffney Observatory on February 10, 1995.

The find, made in the late evening hours by astronomers David Lane, Observatory Technician, Saint Mary's University, Paul Gray, Observing Chair, Halifax Chapter, Royal Astronomical Society (RASC) and graduate astronomy student Beverly Werstiuk, placed them in the history books, as the first Canadians to discover a supernova in Canada using Canadian equipment.

The supernova, known as Supernova 1995F, was found in a galaxy known as NGC 2726, which is in the constellation of the Big Dipper.

Supernovas are exploding stars that have violent deaths and are often thousands of times brighter than the Sun. This one exploded between 62 and 74 million light years ago, during the age of the dinosaurs. Its light has been traveling to Earth ever since

and astronomers are just now able to see it.

Lane and Gray, along with Werstiuk and other RASC members now call themselves, "Team SuperNova Scotia." They have been working on the Supernova Search project, which is a collaborative effort between the University and the RASC, since August 1994.

"This is amazing and I am absolutely thrilled," says Lane. "The chances of finding a supernova are slim, and to find one after only seven months of working on this project is very lucky."

### The galaxy just didn't look right

"I was suspicious on February 10th. The galaxy just doesn't look right, I said to David," says Gray, 22, who is the youngest amateur astronomer to make this kind of discovery. "We had this instinctive feeling that things just didn't look like they should, but we didn't have anything to go on." What made them suspicious was a bright star that seemed to shine overtop the centre of the patch of light, which is galaxy

NGC 2726. While there is nothing unusual about this, they could not find any image of it anywhere. The team decided to go back up to the observatory three days later for another look.

On the night of February 13th, another image was taken to ensure that the supernova was still there. They found the spot they were looking for and took one more picture. Needing to have their work confirmed they turned to the internet for help and were contacted by Harvard University in Boston. A Harvard astronomer checked records there and suggested that the suspected supernova be reported to the International Astronomical Union (IAU). The Lick Observatory in California was then asked by the IAU to confirm the discovery, which came about one week later on February 24th. After only 55 telescope hours they had discovered

a supernova.

Graduate students along with Gray and Lane plan to follow the life span of the supernova until it becomes too faint to be detected. This process is expected to take two months. They are also searching for other supernovas, and will continue to concentrate their search in the northern sky.

*Editors note: The day of Saint Mary's announcement of supernova 1995F on February 24, 1995, was eight years to the day when supernova 1987A, the brightest supernova since the invention of the telescope, was discovered by Canadian Ian Shelton from Chile. Supernovas 1995G and H have been discovered already.*

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## Master of Women's Studies offered

For the first time a joint Master of Women's Studies program will be available for students in the Maritimes.

Already approved by the two other universities, Saint Mary's and Mount Saint Vincent, it was finally approved by Dalhousie's Senate on February 13, 1995.

"This is the only truly joint women's studies program in Canada," says Dr. Gillian Thomas, English Department, and Co-ordinator of the women's studies program at Saint Mary's.

Mount Saint Vincent, Saint Mary's and Dalhousie Universities currently share undergraduate women's studies courses. Students enrolled in women's studies may take a number of courses at one or both of the other universities.

The Interuniversity Women's Studies Committee has been working together for the past eight years. Members include Dr. Gillian Thomas and Dr. Linda Christiansen-Ruffman from Saint Mary's; Dr. Ann Manicom and Dr. Jane

Arcscott from Dalhousie University and Dr. Jane Gordon and Dr. Pat Baker from Mount Saint Vincent University. It took four years of hard work to develop the Master level program. The committee had external

reviewers from Ontario review their program. "They were very impressed by the program and by how much co-operation exists between our universities in Halifax," says Dr. Thomas. In fact, the reviewers even suggested that they had enough expertise in the field of women's studies to create a PhD program, but like others on the committee, Dr. Thomas

prefers to take it one step at a time.

Currently five other universities offer a Master of Women's Studies in Canada. The joint women's studies program in the Maritimes makes it the largest shared program in Canada. Over 50 faculty members from all disciplines in the three institutions will now be able to offer their expertise to both undergraduate and graduate students.

The Master of Women's Studies program begins September 1996.



After receiving the news that the Master of Women's Studies program will officially begin next year, members of the Interuniversity Women's Studies Committee gathered outside Dalhousie's Senate for a photo. From left to right: Drs. Ann Manicom, Dalhousie University, Gillian Thomas and Linda Christiansen-Ruffman, Saint Mary's University and Rhoda Zuk, Mount Saint Vincent University. Photo courtesy of Stuart Watson, Dalhousie News.

## Message from Dr. Kenneth Ozmon, President, Saint Mary's University

Over the past few weeks I have received a number of positive comments and support from the University community for the Partnerships proposal that was announced to the public on February 17, 1995 by Saint Mary's University, Mount Saint Vincent University, the Nova Scotia College of Art and Design and the Atlantic School of Theology.

The invitation is still open to other universities and colleges to join us, thereby strengthening the transition from the status quo to a more dynamic post-secondary education system in Nova Scotia.

The Partnerships proposal has sparked a great deal of interest and support from many sources, not least of which are government and business. Also heartening is the support of student leaders at Saint Mary's. Our reputation has been built on our responsiveness to student needs, and the Partnerships proposal ensures that this strength will remain in the forefront despite the challenges of the country's changing economics.

Obviously, much work must be done to translate the proposal into concrete actions. As we pursue discussions on the Partnerships proposal at both the administrative and academic levels over the next several weeks, your input will be vital.

I urge you to become an active part of this process. Both Saint Mary's and Nova Scotia and especially students will be the beneficiaries.

**Here are 10 top reasons why co-operation will strengthen higher education in Nova Scotia. We Will:**

1. Respect the autonomy and distinctive culture of co-operating institutions, and work together to protect and promote the distinctive characteristics of each institution.
2. Co-operate in offering the highest quality educational services to students, in conducting research of the highest quality, in responding to community needs.
3. Promote economies through co-operation in administrative and academic areas.
4. Expand opportunities for students, faculty, staff and alumni by reducing institutional barriers to co-operation.
5. Promote common standards of academic and administrative services by commissioning reviews of academic and administrative areas, and by sharing programs aimed at improving service standards.
6. Work collectively with business, government and community leaders to promote the economic, social and cultural interests of the community.
7. Develop formal means for promoting interaction among boards, senates, faculty, student and alumni organizations in the interest of promoting collectively the interests of higher education in Nova Scotia.
8. Engage in joint fundraising and promotion campaigns on behalf of collective endeavors of metro universities.
9. Work together to promote the metro universities' collective interests in internationalization.
10. Speak with one voice on provincial, national and international issues of significance to higher education. ☐

## EMBA goes to the Far East

by Bonnie Kirby, Manager EMBA program

For the first time, participants in Saint Mary's Executive Master of Business Administration (EMBA) program embarked on a trade mission as part of their course work.

In January 1995, 11 people enrolled in the program's International Marketing option. As part of the program they made their way to Hong Kong and China for 10 days, to promote a variety of Nova Scotia companies and the University.

These types of trips enable participants to experience international business firsthand, and it provides students with the opportunity to understand the complexities of doing business abroad.

## University addresses women's concerns

Over 30 women attended the meeting of the Saint Mary's Women's Caucus on February 3, 1995 in the McNally boardroom. The meeting was scheduled as a working session with Administration to help address concerns expressed by women at the University.

Dr. Colin Dodds, Vice-President, Academic and Research represented senior administrators and he stressed that faculty, staff, students, administrators and the unions would have to work together to bring about change.

The Women's Caucus is an ad hoc women's group that meets regularly to discuss issues pertaining to female faculty, staff and students at the University and it is open to everyone. The Caucus normally looks at issue items but decided to address specific policies.

### Policies discussed

The awarding of scholarships was discussed and many women voiced concern that eligibility is not equal across the board. This is an issue not only for women, but for many part-time students as well.

Students are currently required to take five courses to be eligible for scholarships. While there are part-time scholarships available for students taking fewer than two and a half credits, this excludes the growing number of students who take between two and a half and five credits. Many women stressed that summer courses are not included in the definition of full-time study, because the scholarships are based on the academic year, from September to May. With the growing number of working female students and mothers they are forced to spread the academic year over 12 months, which excludes



Back left to right: Jules Fauteux, Sylvain Gagne, Lloyd Brown, Chris Fletcher, Kathy Kieley, middle: Glenn Dunn, Dela Erith, Dorthoy Spence, Darlene Stevenson, Mark Craig and front: Vince Marsh, Wanda George, Bonnie Kirby and Dr. T.S. Chan, MBA Program.

Each student was matched by Industry Canada to a local company. In preliminary work with the company, also known as the sponsor, the students learned about company goals in the Far East and the type of products to promote. From the sponsoring

companies' perspective the students' initial contact has the potential to open doors for many business opportunities. Students also provided their sponsors with valuable feedback on target markets and the best way to meet market needs and demands. ☐

them from eligibility. Dr. Dodds explained that in many instances the University has no control over the awarding of scholarships because of donor stipulations. He will look at the possibility of revising the current requirements and assess the cost of changing the definitions of eligibility.

The question of job sharing or half-time contracts was raised and although this is a contractual issue it is seen by many women as important. Currently, job sharing is not available at Saint Mary's, even though a number of other universities allow for 50 and 75 per cent contracts with faculty members. Dr. Dodds asked the

**"There is widespread misunderstanding about what affirmative action is."**

caucus to proceed with looking into the details and to work with other faculty and unions at other institutions to determine what the cost factors would be on contracts and university operations, and an action plan is being considered for future collective agreements.

Many faculty women voiced concern over the University's affirmative action hiring policy. "There is widespread misunderstanding about what affirmative action is. The appointment process starts at the departmental level, but there is no set process," says one member. "More innovative and flexible ways of hiring faculty are needed. We need role models for women

students," says another member. The idea of holding workshops on affirmative action before the hiring process was discussed, along with a call for administration to take a leadership role. This issue will involve joint action by the Administration and the Faculty Union, along with help from the Quality of Teaching Committee and the Women's Caucus.

Various student concerns were expressed to Dr. Dodds, concerning international students and general student complaints. For example, the Caucus outlined language and cultural barriers that exist at the University for international students.

The issue of sexual harassment complaints was raised. While members agreed that this is a universal problem for all universities, they specifically sought help from Administration. Dr. Dodds stressed that he understood how some students might feel uncomfortable with making sexual harassment complaints and with getting a complaint investigated, but for the University to take action, anecdotal information is insufficient, he says. Many women voiced concern that this will only increase the fear among students to come forward because of reprisal.

As a follow-up to these discussions the Women's Caucus plans to continue this session in mid-March. For more information call Ellen Froom, Co-Chair of the Women's Caucus at 420-5528. ☐



**The Times** is produced by the Public Affairs Department of Saint Mary's University. Submissions from faculty, staff, students and friends are welcome.

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# AROUND Campus

## New SMUSA Executive

Surrounded by his new Vice-Presidents, Boris Mirtchev, President, of Saint Mary's University Students' Association was recently elected to a second term of office. Last year, Mirtchev took over as President half-way through the term. On his left is Fraser Gould, 21, a 3rd year Arts student, who is now the new Vice-President, Student Affairs and on his left, Libby Brown, 21, a 2nd year Political Science major, the new Vice-President, Administration. In total 16.7 per cent of the student population turned out to vote on February 14 and 15, 1995.



## Doctor retires

After 24 years Dr. Macadam Duncan retired from Saint Mary's Health Services. On January 26, 1995 he was honored by the Saint Mary's community for his dedication to the well being of students, staff and faculty. A picture of Dr. Duncan now commemorates his service to the University in Health Services. Dr. Morris Trager is the new Director of Health Services.



## Alumni Roundup in Calgary

As part of the Canadian Council for the Advancement of Education (CASE) conference held in Calgary, Alberta, in February 1995, Saint Mary's staff and President were able to rustle up an alumni banquet. Provincial curling champion Virginia Jackson and her team also attended the dinner. Everyone had a great time and it was the perfect opportunity for alumni in Calgary to get together to find out what's new at Saint Mary's.



## G7 talk everywhere

Dr. Peter Bean, Director of the Economic Summit, Foreign Affairs and International Trade Department, was on hand to discuss Halifax's role in the up-coming and much anticipated G7. He talked about the history behind the G7 and how it has evolved over the years. "Some feel it is too large for the outcome," he said to over 40 people, who attended his talk in the Student Centre, on January 26, 1995. But the value in the G7 coming to Halifax is that it shows international co-operation, sets the international agenda and co-ordinates economic policy.



## With stars in your eyes

Dr. Christine Jones-Forman, of the Harvard-Smithsonian Centre for Astrophysics in Boston stopped by Saint Mary's to give a talk about the mass distribution in clusters of galaxies. Dr. Jones-Forman is known as one of the pioneering scientists to begin x-raying the sky. "Clusters come in all sizes and shapes and they are among the brightest objects in the sky," she says. She told the group of 16 professors and students, who attended the Department of Astronomy and Physics colloquium, that the universe was getting brighter. Pictured here she is pointing to an overhead projection that outlines the hot spots in a particular galaxy.



## Commerce Society dinner

At the 21st annual Frank H. Sobe Faculty of Commerce Society Dinner Dr. Nickie Young, Accounting Department, was awarded the 1995 Commerce Professor of the Year and Tom Riley, a fourth year Commerce student received the Commerce Student of the Year award. Over 340 professors, students, alumni, administrators, and business people attended the March 7, 1995 dinner

at the Halifax Sheraton. From left to right: Chris Pilkey, 2nd year Commerce student and President, Commerce Society, Father Ronald Cairns, Dr. Scott Carson, Dean of Commerce, Patricia Tuttle, 2nd year Commerce student and Vice-President, Commerce Society, guest speaker Dr. Lloyd Atkinson, Principal MT Associates Investment Council Inc., Dr. Ken Ozmon, President, Saint Mary's.



## Donation

London Life presented Dr. Ken Ozmon, President of Saint Mary's with a cheque for \$2,000. As a corporate pledge, London Life plans to donate \$10,000 over the next five years. This was the second installment towards that donation. From left to right: Dr. Ken Ozmon, President, Saint Mary's and Philip Ball, Regional Manager, London Life.

# New copyright law

Saint Mary's has signed a two-year agreement with the copyright collective known as CanCopy. This new agreement makes it easier for faculty, staff and students to reproduce educational materials.

In 1988 strict guidelines were established in Canadian copyright law, which made it

difficult to photocopy material without receiving clearance from copyright holders. Many universities were unsure of their position because of this law, and the Association of Universities and Colleges of Canada (AUCC) sought out CanCopy, which is a clearing house for publishers in Toronto, Ontario, to work out an agreement.

In October 1994, the AUCC signed a deal with CanCopy. Under this agreement, Saint Mary's was able to sign its own contract with CanCopy. The agreement, which costs about \$15,000 a year for the University (\$2.50 per student, based on 1991 statistics) ensures that faculty members, students and staff are able to photocopy a wide

range of material.

At the end of November, 1994 a poster was displayed at all photocopiers on campus, outlining what can and cannot be photocopied. Along with this a brochure and record keeping instructions were mailed to every faculty and staff, specifically outlining the agreement and stipulations for filling out the copylogs.

There is a wide range of material covered in this agreement but other charges may arise. "If you photocopy outside the limits of the agreement or for resale there are extra charges," says Valerie Dubois, Director, Administrative Services.

Continued on page 8.

Helen Maria Williams, an 18th century feminist, who wrote about the political atmosphere in France after the French Revolution. She was twice imprisoned for her writings.

## Researching an 18th Century Feminist

by Renee Field

If feminists today are looking for heroes, they have only to read the works of Germaine Greer and Gloria Steinem. A closer look at Helen Maria Williams, a late 18th to early 19th century writer, quickly reveals that feminism was alive and kicking well over 200 years ago.

Dr. Deborah Kennedy, an English professor at Saint Mary's, has worked for the past six years to uncover why Williams has been overlooked.

"Women's achievements weren't given cultural importance. Women's work was not deemed a serious matter," says Kennedy. "I thought she had been someone who was unfairly neglected as a celebrated poet and writer, who wrote about the politics and history of the day."

Dr. Kennedy's interest in Williams' career began while she was working on her PhD thesis on William Wordsworth. In Wordsworth's first published poem, *Sonnet on Seeing Miss. Helen Maria Williams Weep at a Tale of Distress*, (1787), he gave special thanks to Williams as being an inspiration to him, and immediately Dr. Kennedy wondered why. If Wordsworth honored Williams with a declaration then this proved to Dr. Kennedy that she must have been a gifted writer and she wondered why little was known of her today.

Williams' literary career spanned 45



years and she published 26 works ranging from two-page poems to multi-volume books. Born in London in 1762, Williams' family were strong Protestants. At the age of 21, Williams published her first poem, *Edwin and Eltruda*, a long ballad, with the help of Dr. Andrew Kippis, a well-known minister and family friend.

Following her initial success, Williams went on to publish her two-volume *Poems of 1786*. This collection secured her reputation as a poet. The 1790's was Williams' busiest period. With Liberal sentiments running high, her poetry appealed to the public. In 1790, Williams made her first trip to France, coinciding with the first anniversary of the French Revolution. "Everyone was celebrating the revolution and as a Protestant Dissenter she supported what was happening in France," says Dr. Kennedy. She made two more trips to Paris, and on her third trip she decided to remain in France to dedicate herself to writing about the politics of the day.

"I have been at the National Assembly where... my sister and I were admitted without tickets... and placed in the best seats... My sister observed to me, that our seats, which were immediately opposite the tribune from which the members speak, reminded her of our struggles to attain (admission to Westminster Hall)," wrote Williams in *Letters written in France, in the Summer 1790, to a Friend in England*. Her publication also tells the tragic story of the Du Fossés, which is later used by Wordsworth in *Vaudracour and Julia*.

By looking at the original letters Williams wrote in France to friends in London, Dr. Kennedy discovered that Williams was very conscious of how women were treated socially and politically. "Very few women wrote about politics and often in the beginning she would write 'I can't judge things in my head but with my heart.' This implied that she was just a woman who didn't know all about the political details and it made her seem less threatening. As the years passed she became more sure of herself and more politically astute," says Kennedy.

When sentiments turned against the French Revolution during the 1790's, people in England became less supportive of the cause and of Williams' writings. Her closest friends in England begged her to return home and stop writing, while others condemned her "unfeminine foray into politics." However, Williams was committed to the cause

of liberty and stayed in France. Kennedy believes that is the reason why people today don't know much about Williams' literary career. "She still maintained her convictions after the revolution even when it was no longer fashionable."

An outspoken individual, she passionately wrote about the politics of the day, her views on the French Revolution and the importance of religious freedom. For her liberal views she was imprisoned twice, once in 1793 for two months and then again by Napoleon in 1802.

The early 1800's became a difficult period for Williams financially, and no original work appeared until 1815. Also during this period her sister died and Williams took over the care of raising her two nephews, who later would become prominent Protestant leaders in Paris and Amsterdam.

Once Napoleon was out of the picture Williams published, *A Narrative of the Events which Have Taken Place in France from the Landing of Napoleon Bonaparte on the First of March, 1815, Till the Restoration of Louis XVIII*. All throughout her career Williams published her work using her own name not a pseudonym.

"I feel she was a very courageous woman to do what she did. What an amazing conversationalist she must have been since many of the leading British and French intellectuals and artists attended her salon," says Dr. Kennedy.

Dr. Kennedy plans to publish a book outlining in detail Williams' life and her literary endeavors. She received a \$10,000 grant from the Social Sciences and Humanities Research Council of Canada for funding from 1992 to 1995. ☺



Dr. Deborah Kennedy.

## Scholarly & Professional Development

### ■ Anthropology

Dr. Stephen Davis, Anthropology Department, gave a formal presentation on last summer's Birchtown, N.S. excavation to the Nova Scotia Museum of Natural History on February 22, 1995 and the Nova Scotia Archeology Society on February 28. Dr. Davis was also invited to a focus group at the Sportsplex in Dartmouth, concerning municipal amalgamation on February 21, 1995. He spoke on the environment, culture and heritage.

### ■ Atlantic Canada Environmental Science Centre

Dr. Terence Day, Director, Atlantic Canada Environmental Science Centre joined Prime Minister, Jean Chrétien's trade mission to South America. Dr. Day left on January 21, 1995 and spent seven days with key Canadian business people promoting Canadian industry throughout South America.

### ■ Biology

Dr. Henrietta Mann, Biology Department, gave a presentation called, "Tetrapod from Joggins, Nova Scotia," at the annual colloquium of the Atlantic Geoscience

Society on February 3-4, 1995 in Antigonish, N.S. The AGS conference was hosted by St. Francis Xavier University.

### ■ Division of Engineering

Dr. David Swingler, Division of Engineering at Saint Mary's, patented an application called, "Correcting Thermal Drift in Cardiac Output Determination," as part of his outside consulting business. Working with Dr. Timothy Hughes, a former student in California, Dr. Swingler formulated the mathematical application of the device which makes it possible to more accurately measure the blood flow rate of cardiac patients. The technique is based on measuring the temperature of the blood exiting the heart. Most patients find it difficult not to move during the procedure and inadvertently move either a leg or arm. Previously any movement caused a downward drift in the blood temperature. Dr. Swingler worked on the signal processing part of the device to remove this drift effect. Now doctors can more accurately monitor cardiac output.

### ■ Geology

Dr. Georgia Pe-Piper, Geology Department, published "Lead isotope composition of Neogene back-arc volcanic rocks, Aegean Sea," in *Chemical Geology*, 1994, 118, pp. 27-41. With Drs. D.J.W. Piper, C. Kotopoulou and A.G. Panagos, she published, "Neogene volcanoes of Chios, Greece: the relative importance of subduction and back-arc extension," in a *Geological Society Special Publication*, London, no.81, pp.213-231, and with Drs. D.J.W. Piper and I.

Koukouvelas, "Field evidence for the character of the Precambrian rocks south of the Rockland Brook Fault, Bass River Block, Cobequid Highlands," in *Current Research, 1995-D*, pp. 27-31, published by the Geological Survey of Canada. With Dr. I Koukouvelas, she published, "The role of granites in the evolution of the Folly Lake diorite, Cobequid Highlands, Nova Scotia," in *Current Research 1995-D*, pp. 33-38; Geological Survey of Canada publication.

### ■ Management

For the past year, Dr. Terry Wagar, Management Department, has been the only Atlantic Canada representative involved in a major Canadian study on human resource management. The study was sponsored by the Queen's University of Ottawa Economic Projects under the direction of Dr. Gordon Betcherman, formerly of the Economic Council of Canada. A monograph called, "Human Resource Management Practices and Organizational Performance: Evidence from Atlantic Canada," has been published by the Industrial Relations Centre Press at Queen's University. A paper co-authored with Clive Gilson, of the University of Waikato, in Hamilton, New Zealand, called "Accounting for Union Success in Representation Elections: Some Canadian Evidence," has been published in the *Canadian Industrial Relations* journal. A paper co-authored by Dr. Wagar, Kent Murrmann of Virginia Technical and Dane Partridge of the University of Southern Indiana called "Factors Affecting Workforce Reduction of Bargaining Unit Employees: Evidence from a Regional and Na-

tional Survey," was presented at the meetings of the Industrial Relations Research Association in Washington, D.C., in January, 1995.

Recently Dr. Hari Das, Management Department, presented a report on research development workshop, that was held in Gurgaon under the CCMS-AIMS project that is funded by the Canadian International Development Agency. Dr. Das was rated as the "Best resource faculty at the Workshop," by K.P.K. Nair, Project Co-ordinator for CCMS-AIMS. "You have indeed brought honor and credibility to CCMS and Canadian management academics," he wrote in a letter to Dr. Das.

### ■ Marketing

Dr. Julia Sagebien, Marketing Department, and two students were flown to the 1995 Far Horizons Conference on March 3 and 4, 1995. The conference was sponsored by the Hongkong Bank of Canada and the Centre for Canada-Asia Business Relations at Queen's University, School of Business in Ontario. Dr. Sagebien also received \$1,000 for her research activities.

### ■ President's Office

Dr. Kenneth Ozmon, President, Saint Mary's, gave a formal presentation at the recent CASE District I conference held in Calgary, Alberta in February 1995. Dr. Ozmon participated on the CEO panel and told fellow university presidents and colleagues that students were customers and universities have to be "customer focused," today.

# Saint Mary's performers

To many people the idea of getting on stage is frightful. Not so for two Saint Mary's students. The stage has become their second home.

Karen Coughlin and Scott Thomas are performers for the Historic Feast Dinner Theatre. For Karen, 19, a second year psychology major, juggling school and theatre life has become a real eye-opener.

"I am trying to maintain a B+ average, but it's lots of work," she says. Currently taking three credits, school work is scheduled around rehearsals and performances. With no previous acting experience, Karen was excited after auditioning for a part in the Honky Tonk Christmas Show, which ran from November 16 to December 31, 1994, to get the role of Mary May Alltheway.

"I really love to play her. She's very dumb and I make my voice go high and act dumb," she says.

Theatre is not new to Karen. With a father in the music industry, she grew up singing at family gatherings and parties. She won a Nova Scotia Music Education Association award for a song she wrote about Canada at

the age of 10.

Scott, 23, started working in the theatre business two years ago. A fourth year human resource management major at Saint Mary's, he got a summer job managing the Nova Scotia Drama League's Musical Theatre Summer School. Before joining Saint Mary's, Scott studied recreation at the University of Waterloo, in Kitchener, Ontario. In Waterloo he joined a few performing companies and got his feet wet in acting. Adding his previous experience in Ontario with his new insights into the musical aspect of theatre, the director of the N.S. Drama League recommended that he try out for the Historic Feast Dinner Theatre. "After being in acting for two years this is an aspect of my life I have to have now," says Scott.

The Historic Feast Dinner Theatre is not a traditional theatre. It works with direct audience participation, delicious meals and performers who know how and when to push audience members. It takes real talent to make the audience feel as if they belong in the play.

"It's a group effort," says Scott. "It's re-



All dressed and ready to perform the Honky Tonk Xmas Show, the staff and crew of Historic Feast Dinner Theatre are, back (left to right): Réjean Cournoyer, Karen Coughlin, Suzanne Jacob, Scott Thomas, Patricia Zentilli, Mark Hubley, front (left to right): Kelti MacMillan, Neil Hicks, Ruby Daley, Kim Jenkins, Diana Brown and Laine DeWolfe. Photo courtesy of John Gillis of Peegasus Productions

ally great and people seem to enjoy themselves more. We tend to encompass the crowd more and even invite people up on the stage with us, to be part of the production," says Karen.

With the Honky Tonk Christmas show over, both Karen and Scott hope for future roles with the Historic Feast Dinner Theatre. The next big production is *Beauty and the Feast*, scheduled to run until June.

## Listening to our Ancestors' Memories

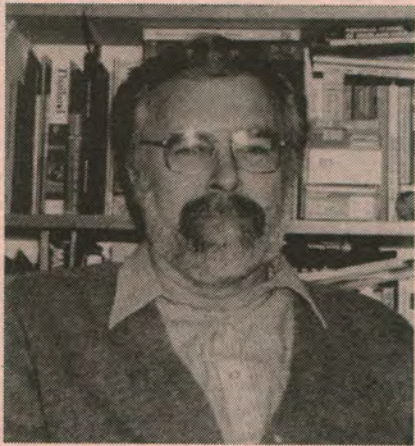
by Renee Field

History is an intangible thing. Textbooks recall the events of the past, with words and photos, but the flavour and nuances that separate dates and events from the people and memories that make up that history are often lost on the bleached white paper. But to hear the voice of an 80 year-old woman, who can recall how the people in Truro, Nova Scotia celebrated freedom at the end of World War II, provides history with meaning, names and feelings.

Oral history is a technique that captures the flavour of history through interviews, cassettes, journals and finally transcripts, where word after word of the interview is written down for historians and archivists.

"We're the only university in Canada that teaches a course on oral history," says Dr. Jim Morrison, History Department at Saint Mary's and Asian Studies Co-ordinator. For close to six years he has taught the intricate details of oral history at the University and for the past three years he has offered the service to the Halifax and Dartmouth communities. Now for the first time he expanded his expertise to the town of Truro.

Every Monday night, from 6:30 p.m. to 9 p.m., he teaches oral history to a group of 12 students, in the Teacher's College. Dr. Morrison also held open lectures for both his students and the public in the Colchester Historical Museum. The museum has a



vested interest in this class. They are hoping to re-discover the history of Truro from seniors in the town, before the connections to the past unravel.

"This serves the community, serves the people of Truro and the students," says Dr. Morrison. The students, who range from first-year to mature students, have to complete two hours of interviews with one person, for the half-credit course. In this case all of the people being interviewed are senior citizens, from age 60 to 80. Students are given readings on

Truro, with pictures of the town in the 20th century, which provides them with background material for the interviews.

"I think it (the course) is great and there should be a lot more of it," says Nan Harvey, Archivist for the Colchester Historical Museum in Truro. "So many people have stories and no one will be there to collect them. I just wish I had time or more volunteers to write down this history before it is lost." For the past eight

years Harvey has worked as the museum's archivist and over that period she has helped catalogue the existing genealogy and history that was collected over the past 40 years.

"What the students are doing is getting the past about the community, the history, from the lips of the actors," says Dr. Morrison. Students are supplied cassette tapes for the interviews, thanks to funding from the Quality of Teaching Committee at Saint Mary's. Each hour of taping could take nine hours of transcribing. At the end of March the students will do presentations in class and hand in their interviews, tapes, transcripts and journals. Dr. Morrison is hopeful that the oral history collected will be good enough for the museum archives and he hopes to edit the material into a small booklet. In fact he already has a name for the book, *Cobequid Voices*. □

## Making the NEWS

**Dr. Ather Akbari**, Economics Department, made *The Toronto Star*, on February 8, 1995 for his book in defence of immigration. The editorial in the Star outlined how the C.D. Howe Institute took a spin on Dr. Akbari's work, much to the dismay of the professor.

**Helen Burns**, Fitness Co-ordinator, Athletics Department, was interviewed by Janet Stewart, Reporter for ATV concerning heart health month, on February 22, 1995. She emphasized that keeping fit should be part of a daily routine, and it can be as simple as walking to work.

**Dr. Stephen Davis**, Anthropology Department, recently spoke to David Wright of *The Globe and Mail*, concerning last summer's archeology excavation in Birchtown, Nova Scotia. He also spoke to Carleton University's student paper, and was recently written up in Atlantic University Affairs magazine.

**Dr. Andrew Harvey**, Economics Department, talked to Michelle Schurman, Reporter, MITV for her report on jobs in the new millennium, which aired late March. Dr. Harvey outlined what types of jobs people can expect after the year 2000 and what they should be looking at now.

**Keith Hotchkiss**, Director, Student Services, was interviewed by Nicole Brown, Reporter, ATV, concerning campus security, on March 6, 1995. Hotchkiss outlined a number of Saint Mary's campus initiatives that have evolved over the years to deal with student security, namely the Huskies walk home program, peer support and counseling services.

**Dave Lane**, Observatory Technician, Astronomy and Physics, for his discovery of Supernova 1995F on February 14, 1995 made international news. His name was picked up by local, national and international news agencies.

**Dr. John MacCormack**, History Department, wrote an article in *The Chronicle Herald*, called "Interface-model UNS best choice for university reform," on February 15, 1995.

**Dr. Henrietta Mann**, Biology Department, spoke with Rob Matthews, Reporter, *The Chronicle Herald* on March 2, 1995 concerning her research on old bones.

**Jo Stern**, Sexual Harassment Advisor, also provided background information to Nicole Brown's piece on campus security.

**Dr. Gary Welch**, Astronomy and Physics Department and Director of the Burke-Gaffney Observatory spoke on Lane's behalf to a number of news agencies. He spoke with MITV, ATV, CBC TV, CBC Radio, Q104, Broadcast News, *The Chronicle Herald* and *The Daily News*.

**Dr. Michael West**, Astronomy and Physics Department spoke with Anne Douce, Reporter from the station AM1410 in London, Ontario, concerning background information on supernovas on March 2, 1995.



# A Smelly Tail

by Renee Field

The first thing the second and third year biology students noticed in classroom 108 in the Science building was the smell. In fact the odor streamed into the corridors and down the halls. Many people ran in the opposite direction, but not the students enrolled in Dr. Henrietta Mann's class, who had the chance to get an up-close sniff.

The odor originated from a two-metre long fish, called a tarpon, which was almost one metre wide and in the process of defrosting. As part of an anatomy class Dr. Mann, Biology Department, started dissecting the fish for the 37 students in her first class at 2:30 p.m. and finished for her 6 p.m. lab. In total 63 students received the chance of a lifetime. It's not every day students get the opportunity to view a rare fish. An x-ray of the fish was done at the Victoria General Hospital, in Halifax and students were able to see three to six centimetre long scales.

The tarpon is a fish rarely found in this area, that made its way to Nova Scotia's cold waters. It is believed to have traveled through the strong ocean currents of the Gulf Stream. All along the Gulf Stream these currents create whirlpool effects that often catch a number of sea creatures, which

in turn make their way into traps set by local fishermen. Most of the rare fish found around this area are caught from mid-August to late October. This particular fish was washed ashore on the coast of Cape Breton last summer. Found by a local resident, the body of the fish was in excellent condition and immediately transported to the Bedford Institute of Oceanography in Halifax.

"To tell you the truth I wouldn't like preparing dinner from it, this is lots of work," says Dr. Mann, as she joked that this was the hardest fish she ever had to split open. Students were able view the dissection of the rare fish thanks to the co-operative efforts between the University and the Nova Scotia Museum of Natural History, in Halifax. This is not the first co-operative venture between the two, but it was a first for biology students at Saint Mary's to learn through a hands-on approach the anatomy of a tarpon. Students had the chance to see the large fish scales and bones of the tarpon, providing them with a much broader view of the anatomy of fish.

Once the fish was dissected and cut into smaller pieces 12 hours later, it was ready for



more detailed examination of the bone structure. The fish was sent back to the museum by Dr. Alfonso Rojo, professor emeritus with Saint Mary's and a research associate for the museum. Dr. Rojo hopes to mount the bones of the tarpon, for public viewing someday, but in the meantime he will prepare the fish for further museum reference. ▀

# Saint Mary's on the High Seas



All boarded and ready to go, Saint Mary's students, alumni and BIO crew stand on the deck of the C.S.S. Hudson, BIO's largest vessel. Back (left to right): Stan Johnston, and Barbara Whitby, Master's student in Atlantic Canada Studies, front, left to right: Andy Allen, Chief Officer, C.S.S. Hudson, Gordon Fader, Chief Scientist, Eric Garnier, biologist and Dr. Terence Day, Director, Atlantic Canada Centre for Environmental Science.

Take the largest ship in the fleet and put Saint Mary's alumni on board as the Chief Officer and Chief Scientist along with a couple of students and a professor and it becomes a University reunion.

That's exactly what happened when Dr. Terence Day, Director of the Atlantic Canada Centre for Environmental Science at Saint Mary's, was invited to participate in a mission with the Atlantic Geoscience Centre on board the C.S.S. Hudson, the Bedford Institute of Oceanography's (BIO) largest and most treasured vessel.

"It's unusual to have a senior officer, chief scientist and guest scientist on board all from one university, plus two students. We covered the whole realm of management and had control over the scientific mission," says Gordon Fader, 47, Chief Scientist and a Saint Mary's alumnus.

Fader knew he was scheduled for a mission on board the Hudson, but had no idea that the Chief Officer would turn out to be a friend he knew over 20 years ago. Once on board he took a long look at Andy Allen, the Chief Officer of the Hudson and they both recognized each other.

When Fader attended the University in 1965, there wasn't much to the geology program. He had accepted a scholarship to attend and was told in his first year to concentrate on studying chemistry and physics. What he really wanted was geology. In second year, when he discovered the University only offered two geology courses, he persuaded the University, with the help of then Dean of Science, Dr. Hope Simpson, to allow him to take geology courses at Dalhousie University. This way Fader was able to concentrate his studies in geology while at the same time keep the remainder of his course work at Saint Mary's. In 1969 he graduated as the first Saint Mary's geology major.

"I had 10 minutes to get between classes and we're talking about five blocks from Saint Mary's to Dalhousie. Dalhousie was intimidating, but in the end I often got higher marks than most students," he says. During

those good old university days and later, Fader played the keyboard in a band that used to perform at the Privateers Warehouse, in downtown Halifax, and Allen was the door man. Fader had no idea what had happened to Allen after graduating from Saint Mary's and joining BIO.

Saint Mary's was a small stepping stone for Allen. He had big plans after he graduated with his Bachelor of Arts, political science major in 1977. It would be open waters and the high seas for this native Nova Scotian.

Born in Lunenburg, N.S., Allen decided at a young age that he would become a sailor and work his way up from crew hand to seaman, then to officer and finally Captain. And that's exactly what he did. "Back then that's where the money was to be made," says Allen. When Allen began his career he served on the Hudson as a seaman and spent time with other BIO vessels as a Deck Officer in the early 1980's. After working for 14 years with a number of offshore drilling organizations, on semi-submersible drilling platforms and having spent time in the North Sea, Indonesia, Singapore and New Zealand, Allen is happy to be back in Nova Scotia and working at BIO.

Asked how his education at Saint Mary's helped him, he says, "When it came to doing my certificates it helped. Education broadened my scope of thinking and with a Bachelor's degree it has always been a bonus." Allen has completed all his mariner levels and today holds the Master's Mariners Certificate. He has been back with BIO for a year and a half now, but in that time he's only seen Fader a couple of times.

With the mission concentrating on the potential offshore sand and gravel deposits that in the future could lead to offshore mining, there wasn't much time for chit-chat. Fader hopes that next year, he along with Dr. Day, can continue their research into the potential for offshore sand and gravel mining with another mission and maybe a bigger Saint Mary's reunion on board the Hudson. ▀

# For the love of the Senate

by Renee Field

The workings of the Senate at Saint Mary's University may often seem complex, but to find out the mystery behind the Senate and how it evolved ask Kevin Cleary, Secretary to the Senate.

From the first Senate meeting on May 3, 1963, Cleary has been there. Today, 32 years later, he knows more about the Senate than most members. In fact, he can remember how the Senate evolved at Saint Mary's.

In the 1950's the then Senate functioned as a Board of Governors and day to day academic matters were governed by a Board of Studies. As the governance of the University changed, the Senate developed into the Board of Governors and the Board of Studies evolved into the Senate.

"I consider Saint Mary's my first home," he jokes, but when you consider his devotion to students, such as coming in early to photocopy material for the drama society, you can easily see how he encourages the University spirit. When Cleary joined the Senate, meetings used to begin at 7 p.m. and sometimes last until 2 a.m. It is no wonder he has come to call the University home.

A graduate of the Arts Faculty in 1957 and the Bachelor of Education program in 1958, Cleary went on to receive his Master's of Arts at Saint Mary's in 1961. In June 1961 he joined Saint Mary's as Assistant to Father William Stewart, who was then Dean of Studies for the University. Two years later he became Registrar. In addition to serving on numerous committees, he is also responsible for the election of Faculty members to the Senate, the Board of Governors and the University Appointments and Review Committees. The Senate Office is also responsible for the conduct of Student/Faculty Course Evaluations and the maintenance of the records of the results of these evaluations.

Cleary is particularly pleased with having established a publication on Scholarly Activity. It took two years to produce, but since the first edition in 1983 it has been a very useful tool for the University.

## How the Senate works

Senate normally considers matters brought to it through its standing committees. For example, if a professor wishes to change the content of a course they must first



present the proposed change to the Department. The Department then presents it to the Faculty Council and from there it goes to the Curriculum Committee. This committee then presents it to Senate for its consideration. This process could take months and for more detailed changes, such as a change in a program or a proposal for a new program, it could take a year or more. This is because often two or more standing

committees could be involved and also government agencies like the Maritime Provinces Higher Education Committee could have a say in the process.

Other Senate duties include the maintenance and discountenance of faculties, departments and schools; the establishment of department chairs; recommendations to the Board of Governors for the affiliation or discontinuance of the affiliation with other institutions; the course of study; qualifications for diplomas, standards, certificates, degrees, examinations, scholarships and bursaries. The Senate is also responsible for the library and student discipline

Twenty-nine members make up the Senate and 15 of them are elected faculty members, who hold three year terms of office and five are students, who hold one year terms. Other members include the President, Vice-President, Academic and Research, the Deans of Faculty, the Registrar and the Director of Student Services. Before every Senate meeting, Cleary and two other members of the Agenda Committee meet to set the upcoming schedule.

Today, meetings have a set time, usually lasting no longer than two hours. Early in February, Cleary posts a list of faculty who are eligible to serve on the Senate. Once that part is completed he oversees the distribution of the nomination forms and then sends out election ballots to all faculty. The entire procedure usually takes one month and Senate elections are held in the Spring.

"Saint Mary's Senate is unique," he says. "Having evolved from the Board of Studies the faculty have always had a good deal of input. Ours is a working Senate. I believe it has made the University a much more democratic institution."

*"I consider Saint Mary's my first home,"*

# Re-enacting Educational Philosophers



Caught in a time warp, Bachelor of Education students perform in the Loyola building their impressions of 14th and early 20th century education philosophers. From left to right: Stephanie Fisher, Michel Gagnon, Kelly Hiltz, Tara Harris and Brian MacPherson.

Some students really get into their course work. Take for instance the 27 students in Dr. Frank Phillips' education class. Asked to research how education was taught in the Greek, Roman and Medieval periods, and from the 14th and early 20th century, students decided to take it one step further.

In January, 1995 a group of students assembled in full costume outside the Tim Horton's area in the Loyola building. Stephanie Fisher, Tara Harris, Brian MacPherson, Kelly Hiltz and Michel Gagnon videotaped their performances of 14th and early 20th century education teachers in the hopes that their re-enactment will benefit students in the future.

"Jean Jacques Rousseau, was an 18th century educational philosopher. He was progressive and wanted children to learn freely on their own. He believed in hands-on teaching," says Fisher to McPherson, who is the interviewer for this session.

Gagnon re-enacted Johann Heinrich Pestalozzi (1746-1827), who believed that children should be treated like human be-

ings. His philosophy of education was that, "Without love, neither the physical nor the intellectual powers of children will develop naturally," says Gagnon. Asked by

MacPherson if anyone can become a teacher, Gagnon replied that, "No, certainly not. However, it is possible to train people who already have teaching qualities so that they become good trained teachers. And good teaching can only be learned through practice, not from books."

Hiltz played the fictional wife of V. Horino DaFeltre, who was known as the Prince of Teachers. Self-taught, he

believed that every child could learn. Born in the 14th century, he was able to prosper and teach his philosophy of hands-on learning even though he was not from the wealthy class.

"We've never done anything along these lines before," says Dr. Phillips. "The students are bringing creativity to their work and some of it is quite hilarious."

**"Without love, neither the physical nor the intellectual powers of children will develop naturally,"**



## From Saint Mary's to Spruce Meadows

by Virginia Jackson

The sport of horse jumping has attracted millions of viewers around the world. Watching the perfect unison between horse and rider effortlessly jump over an obstacle course sends fans to their feet. Being part of the Olympic team is a dream for most aspiring riders, but it often seems like a lifetime away. For one Saint Mary's student those dreams are one step closer to becoming reality.

At 18 years of age, Angela Covert will do almost anything for a chance to join the Canadian Equestrian Team. That anything includes placing her Saint Mary's Bachelor of Commerce degree on hold, while she is in Alberta at one of the largest riding facilities in Canada — Seafever Farms.

Equitation has many aspects including cross country, stadium jumping, driving and dressage. To be international caliber mastering each of these disciplines is essential.

For the past 10 years Angela has worked hard at making the Canadian team. Part of that work has been spent helping her mother, at Briarwood their Nova Scotia horse facility, in Mount Uniacke, Nova Scotia. Over the past three years, she has learned some of the finer complexities to running a professional boarding facility for horses. Asked how she got involved with horses, she says, "My mom used to show horses so I began riding when I was six years old."

As a natural athlete, Angela has always strived to be the best. While at Prince Andrew High School, she was top female skier and most-valuable player of the basketball team.

Knowing that she had to present herself in a unique way to get noticed in the equestrian world, Angela produced a video demonstrating her ability with five of her own horses in a variety of riding techniques. She sent the video to Allan Brand, who rode with the Olympic team for 10 years and who also owns Seafever Farms and waited for a reply. She didn't have a very long wait. Allan was more than impressed and offered her a term position that had riding and teaching duties.

On January 29, 1995, Angela won the Gillian Wilson Award. She is the first Maritimer and the youngest rider ever to be recognized by the Canadian Equestrian Federation.

This award is presented to the junior equestrian of the year who has demonstrated the most outstanding contribution to the competition and who has exemplified exceptional talent, sportsmanship and dedication.

At Seafever Farms Angela will be riding six privately owned international-caliber horses daily and part of her duty will be showing these horses for their owners. "To compete on the Olympic team I need to have a Grand Pre horse which can cost up to \$500,000, so I need to get noticed by someone who owns one of these horses", she says. Angela felt that being in horse country would help get her noticed.

Angela plans to give the equestrian world a chance, but her long-term plans include completing her University degree and then a law degree. ☐

# Huskies update

## Men's Basketball

The 94/95 basketball season has not been kind to the Huskies, as they struggle through a rebuilding year. But with two outstanding rookies like Michah Bourdeau and Kevin Keeler, the Huskies are looking for a much stronger finish next season. The Huskies played Dalhousie, on February 28, 1995 and traveled to Antigonish on March 4, for their last game against St. Francis Xavier. That rounds up their regular season.

## Hockey

The hockey team finished in third place in the Kelly Division with a 10-15-1 record. They were defeated in the Atlantic Universities (AUAA) playoff quarterfinals by 2nd place Dalhousie Tigers, in two straight games. The hockey huskies have already started to look to next year with high expectations.

## Women's Basketball

The Huskies finished fifth in the league with an 11 and nine record and narrowly missed the playoffs.

Jad Crnogorac stands third in league scoring with a 18.8 point per game average and 54 first assists. Norma MacIntyre retained her sixth position in scoring and third in rebounding with a 7.8 average. Lori Messer is seventh with a 14.4 points per game average. The Huskies won against the University of New Brunswick on February 17, 1995. Finishing the league, the Huskies played at Acadia, on February 22, 1995, losing 60-54 and won the last two regular season games beating St. Francis Xavier 90-71 and

Dalhousie University 74-57. Only out by four points the Huskies missed this years playoffs but are determined to make the final round next year.

## Football update

Three Huskies football players were invited by the Canadian Football League (CFL) to their evaluation camp in Winnipeg, Manitoba, late February. Dwayne Provo, Tom Fleet and Sean Marriott were the players invited. "They were all excellent and it is very likely that a few players will be drafted," says Larry Uteck, Coach, Football. The draft took place on March 11, 1995.

## Women's Volleyball

The women's volleyball team traveled to the Atlantic Universities Athletic Association (AUAA) playoffs in Fredericton on February 17, 18 and 19, 1995. They met the University of New Brunswick's Varsity Reds, in their first match and although they took the first game 15-11, UNB showed their first place form in the next three games, defeating the Huskies 3-1, with scores of 15-4, 15-9 and 15-7. The AUAA's did however have some highlights for the Huskies as fifth year setter Tracy Clinch, Karen Sloan and Dana Olsen were named to the AUAA All-Star team. In addition, for her first year as Head Coach, Lori Welsh-Hawley, was named AUAA Coach of the Year. The Huskies finished the 1994/95 regular season with a record of 10-6, which is the best finish since the program began in 1988.

## Copyright Continued from page 3

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## In memory

After a lengthy illness Dr. Margaret Royal, Department of Political Science at Saint Mary's, died on January 28, 1994. A dedicated professor, she was employed by the University for almost five years.

Dr. Royal received her university degrees in political science at Wilfrid Laurier University in Waterloo, Ontario and Queen's University in Kingston, Ontario. At Queen's, she met and married Leonard Preyra, who is also a political science professor at Saint Mary's. Together they had two children, Katie and Ben.

Having grown up with five brothers, Dr. Royal was known as a passionate feminist. As a political science professor she focused her research activities on the cause

of improving the condition of vulnerable women and children. Issues such as pay equity, daycare and violence against women easily got her talking and seeking ways to create change. Canadian politics was also her passion. A Canadian nationalist, she spent much of the Mulroney years speaking out against what she saw as the Americanization of Canada.

A memorial service was held on January 31, 1994 in Goderich, Ontario. Dr. Michael Larsen, Dean of Arts and Drs. Therese Arseneau and Edna Keeble, Department of Political Science represented the University at the service. Dr. Royal will be missed by friends and colleagues. ☐