



Saint Mary's University, Halifax, Nova Scotia

The TIMES



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11 Faculty Receive Almost \$300,000 in NSERC Funding

Additional scholarships and research awards for Saint Mary's students announced

Saint Mary's University has proven yet again that it's a leader when it comes to science research in Canada.

On September 8, 2006, the *Natural Science and Engineering Research Council (NSERC)* confirmed that 11 faculty will share \$285,812 in new NSERC funding. This is in addition to the 10 faculty members who received almost \$600,000 combined in NSERC funding in 2005, meaning that the University has generated nearly \$1 million from the research organization in just a one year span.

Faculty who have received funding include Dr. Cory Pye, Chemistry; Dr. Adam Sarty, Astronomy and Physics; Dr. Norma Linney, Mathematics and Computing Science; Dr. Georgia Pe-Piper, Geology; Dr. Jaroslav Dostal, Geology; Dr. David Cone, Biology; Dr. Zhongmin Dong, Biology; Dr. Matthias Foellmer, Biology; Dr. Genlou Sun, Biology; Dr. Dawn Jutla, Finance, Information Systems & Management Science, and Dr. Kevin Vessey, Biology and Dean of the Faculty of Graduate Studies and Research.

In addition to the funding announced for faculty, NSERC confirmed that six Saint Mary's graduate students will receive major support for their research. Students Scott Burley (Environmental Science), Stuart Crosby (Mathematics and Computing Science), Kristin Schmeisser (Mathematics and Computing Science), Tracy Daley (Biology), and Patrick Rogers (Astronomy and Physics) will receive \$173,500 combined for research they will be conducting over the next two years. Colin Garroway (Biology) will receive \$63,000 over the next three years for doctoral research/courses.

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University Recognizes Dr. Richard Homburg, Founder of Homburg International Mobility Awards



Dr. Richard Homburg, Chairman and Chief Executive Officer, Homburg Invest Inc. and The Homburg Uni Corp. Group

On August 28, 2006, members of the University community gathered for a special ceremony in recognition of Dr. Richard Homburg and the contribution that he has made to Saint Mary's through the establishment of the *Homburg International Mobility Awards*. Held in the Unilever Executive Lounge on the fourth floor of the Sobeys Building, the event attracted students, faculty and staff – each of whom applauded Dr. Homburg's \$1.5 million support to the University.

Thanks to the gift that Dr. Homburg made in early 2004, Saint Mary's students now have the opportunity to participate in international exchanges and study abroad opportunities in Europe, Asia and Latin America.

"Traveling abroad is a wonderful way for students to gain unique cultural experiences, develop international contacts and explore new ideas that could change our world," said Dr. Homburg, who is Chairman and Chief Executive Officer (CEO), Homburg Invest Inc. and The Homburg Uni Corp. Group. "The global perspective that Saint Mary's students are now obtaining is the cornerstone in the growth of the Canadian economy," he said, adding that "education is something that should never have borders."

Speakers at the event included Dr. J. Colin Dodds, President of Saint Mary's, Dr. Terry Murphy, Vice President (Academic and Research), Zach Churchill, President of the Saint Mary's University Students' Association (SMUSA), and Denis Leclaire, Director of International Activities. Paul D. Sobeys, President and CEO of Empire Company Limited and Chair of the University's Hearts and Minds Capital Campaign, was also in attendance.

Jessica DeCoste, Michael Henman and Daniel Slipp were among more than 20 Homburg International Mobility Awards recipients in attendance. All three made speeches in which they expressed their gratitude to Dr. Homburg.

Said DeCoste, who recently studied in France, "Your gift to Saint Mary's, Mr. Homburg, allowed me to gain an experience that I will never forget for the rest of my life."

DeCoste's experience in France led her to a post-graduate internship in India. She now works in the Recruitment Office at the University. "It's your gift, Mr. Homburg, that showed me what the world is all about and allowed me to learn more about myself as a person," she added.

Henman and Slipp echoed her views in their speeches. Henman spent last year in Japan and will soon depart Halifax for an internship with the Canadian Chamber of Commerce in Vietnam. Slipp will complete his Finance degree with a year abroad in Finland.

Tara-Lynn Cosman, who studied in Japan this year, presented Dr. Homburg with a special gift at the luncheon.

James Donner, who recently returned to Halifax from China, said he had the experience of a lifetime. "I learned how to speak Mandarin, and I learned so much about Chinese culture while living in Shanghai," he said. "I have returned home a new person; more educated, and more aware of the globalized world we live in."

Dr. Dodds praised the establishment of the Homburg International Mobility Awards at Saint Mary's. "Dr. Homburg, you have made a world of difference in the lives of our students," he said. "We truly applaud the gift you have provided – one that ensures that students from Saint Mary's become global citizens of tomorrow."

Dr. Homburg received an Honorary Doctorate of Commerce from Saint Mary's in May 2005.



Student Tara-Lynn Cosman (centre) participated in an exchange program to Hiroshima earlier this year. She is joined by Julianne Gillis (far left), her attendant. The exchange was one of many made possible by the Homburg International Mobility Awards.

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Professor and Researchers Net Almost \$1 Million From SSHRC to Save Coastal Resources

Dr. Tony Charles will be the Principal Investigator on a five-year Community University Research Alliance (CURA) project funded by the Social Sciences and Humanities Research Council of Canada (SSHRC).

SSHRC is providing almost \$1 million for the project over a five year period. Through the project, researchers from Saint Mary's University and the University of New Brunswick will work with representatives from several community organizations to establish cooperative research in community-based governance of coastal resources. The community partners include the Fundy Fixed Gear Council, Acadia First Nation, Bear River First Nation, the Fundy North Fishermen's Association, Lennox Island First Nation, Abegweit First Nation, and the Bay of Fundy Marine Resource Centre.

The "Coastal CURA" has been designed to provide knowledge and understanding, improve analytical and evaluative tools, and strengthen the organizational and institutional capacity that is needed to achieve sustainable management of coastal resources in the Maritimes and beyond.

"We are extremely pleased to have been given this opportunity to work with such a diverse group of organizations and people to explore what works and what does not in community management of fisheries and other coastal resources," said Dr. Charles, a professor of Finance and Management and Environment Science.

"There are so many issues facing coastal communities today," said Maria Recchia of Fundy North Fishermen's Association. "The chance to work with universities to find workable solutions is welcome."

Across the country, coastal communities and coastal resource users face immediate challenges from a range of environmental, economic and social impacts. The Coastal CURA project will help partners meet these challenges by providing support for their involvement in integrated coastal management initiatives – ones that seek to 'integrate' or coordinate the management of multiple coastal uses (fishing, aquaculture, shipping, tourism, etc.), and that shape the social and economic well-being of coastal partners. The CURA is designed to address both immediate and longer-term needs through local participatory community-based research and development of organizational capacity.

The Project partners will work together to share lessons in community-based coastal management, and to make the results of their study available on a national and international scale. This research will be carried out by a partnership of academic, First Nation and fishery-related partners from all three Maritime Provinces, working with the strong involvement of graduate students. The project participants will work together to meet four key goals: improved effectiveness in governance of coastal resources; enhanced community capacity to participate in coastal management; a Maritime network for community-level coastal governance; and research innovation and knowledge generation.

"We are particularly pleased that the program provides academic support for graduate students from partner communities and organizations so they can study for Doctoral and Masters degrees," said Dr. Melanie Wiber of the UNB Department of Anthropology, co-applicant on the CURA and Chair of the project's research committee. "This will enable community groups to continue the work started on this project over the long term."



Left to right: Gina Funicelli, Saint Mary's ILO; Christian Boudreau, Pratt & Whitney; Michael Heller, Kanayo Software; Terry Dalton, Canadian Informatics Consultants Ltd; Jennifer Pinks, Saint Mary's ILO; and Ed Wilton, SUN Integrated Open Systems

Saint Mary's ILO and NSERC Co-Host ACEnet Workshop to Promote Researcher-Industry Partnerships

Saint Mary's University Industry Liaison Office (ILO) and the *Natural Science and Engineering Research Council (NSERC)* co-hosted a one day workshop this summer which attracted researchers and industry and government representatives from across Atlantic Canada seeking to learn more about NSERC Funding Programs, the *Atlantic Computational Excellence Network (ACEnet)* and *High Performance Computing (HPC)*. The Workshop objectives were to promote NSERC programs in Atlantic Canada and to bring together academia, industry and government to initiate private-public sector partnerships.

The morning session featured Dr. Bob Deupree, Principal Investigator for ACEnet at Saint Mary's University, who provided context for the day's activities. Among the participants were more than 25 researchers representing six Universities and 10 industry representatives that 'pitched' their interests and links to High Performance Computing.

Said Deupree, "ACEnet and Saint Mary's are very happy to assist NSERC in bringing together academia and technology development companies to explore regions of mutual interest. I think all parties have established the basis for working together to our joint advantage and for the benefit of Atlantic Canada as a whole."

NSERC's message to the audience was clear – federal funding is available to researchers interested in creating partnerships with the private sector! NSERC's Research Partnership Programs (RPP) each have a 'niche' focus with variations in financial contribution, program duration, and industry partnership requirements. *Further details on the individual programs are available on the NSERC web site at www.nserc.gc.ca.*

The researcher-industry presentations proved a worthwhile exercise in drawing attention to the potential applications for Atlantic Canada's HPC facilities, namely ACEnet. This highly sophisticated computational tool has significant potential to strengthen research in Atlantic Canada and encourage region-wide partnerships between researchers and industry. The presentations highlighted how ACEnet could be a service to and support research in computational chemistry, emergency response, health care, e-business, and petroleum geology, to name a few. Industry representatives were also interested in learning how HPC and ACEnet could be used to support product design and development.

The afternoon networking session was more informal as participants moved between themed working groups, namely, Data Mining, E-learning, Multi-media/video Conferencing, and Imaging/Visualization. The objective of smaller group discussions was to share research commonalities and to initiate dialogue on potential collaborative partnerships between researchers and industry.

The channels of communication are now open and workshop participants are encouraged to continue their dialogue and work toward new partnerships. Researchers too should enlist the support of their respective university ILO to assist in identifying possible industry contacts. NSERC Research Partnership Programs (RPPs) are poised to facilitate in creating such researcher-industry partnerships.

To learn more about ACEnet, please visit <http://www.ace-net.ca/>



In early September, Saint Mary's faculty, staff, students and alumni gathered for a ribbon cutting ceremony to mark the opening of the new Cardio Room in the mezzanine area of The Tower. The facility, which cost almost half-a-million dollars to construct, offers ultra-modern cardio equipment. Front to back: Zach Churchill, President of the Saint Mary's University Students' Association; Dr. J. Colin Dodds, President; Gabrielle Morrison, Vice-President of Administration; and Dr. Dave Murphy, Director of the Athletics and Recreation Department.

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One University. One World. Yours.

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

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Graduate Student Studies 450-Year-Old Manuscript

Judy Dietz, a student enrolled in the Faculty of Graduate Studies and Research at Saint Mary's, is combing through the lines of a rare 450-year-old musical manuscript that has not been performed for centuries.



Judy Dietz combs through a rare 450-year-old manuscript that has not been performed for centuries.

"I knew it was significant and I didn't know why," added Dietz, who is also the Associate Curator of Historical European Art at the AGNS.

As part of the Patrick Power Library's 30th Anniversary (2005/2006), Dietz gave a public lecture about the Salzinnes Antiphonal to a crowd at the University earlier this year.

"Everyone finds this historical manuscript extremely fascinating," said Lefebvre. "The quality and detail of the pages is magnificent, but we have been working for years towards the goal of having the Canadian Conservation Institute restore its binding to complement the beauty of the contents."

According to Dietz, the Salzinnes Antiphonal provides insight into the spiritual and cultural lives of the nuns of the Cistercian Abbey of Salzinnes in Namur which is present day Belgium. Written in Latin, it features text and music, full-page illuminations of biblical scenes and, of particular rarity, full-length representations of 34 nuns together with their names in regional script who lived in the abbey.

The Antiphonal was brought to Halifax in the 1840s by Bishop William Walsh, the first Archbishop for the Catholic Diocese of Halifax. It resided in the official residence of then-Archbishop James M. Hayes until the mid 1970s.

By next June, the 480-page book and its deteriorating calfskin covers will be restored, and a group of Australian singers will perform liturgical chants at Halifax's St. Mary's Basilica. The Scotia Festival of Music is sponsoring this event which will take place on June 1, 2007.

The Saint Mary's *Salzinnes Antiphonal*, a valuable artifact from the University's Patrick Power Library's rare book collection, is a liturgical manuscript which dates back to 1554.

The Archdiocese of Halifax donated the manuscript to Saint Mary's in 1975. Because of its historical significance, both Dietz and Madeleine Lefebvre, University Librarian, felt the document was best suited for permanent storage at the *Art Gallery of Nova Scotia (AGNS)*.

Dietz, who will soon defend her thesis and earn her Master of Arts (MA) Degree in History, told the Canadian Press (CP) about how fascinated she was when discovering the manuscript at SMU.

"As soon as I opened it up, I was totally amazed by the magnificence of the illuminations and the size of the manuscript," she said.

NSERC Funding (Continued from page 1)

A total of 18 undergraduate students have received \$102,600 in funding. They include: Andrea Coombs (Biology); Mark Richardson (Mathematics and Computing Science); Ted Abraham (Chemistry); Amber-Leigh Golding (Biology); Jeff Farrell (Chemistry); Heather Pickup (Mathematics and Computing Science); Kerry Worth-Marr (Biology); Jillian DiPenta (Biology); Aaron Gallant (Astronomy and Physics); Peter Tupper (Mathematics and Computing Science); Carrie Lee Anne Trider (Chemistry); Christopher Ayer (Biology); Rammi Hassan (Biology); Michael Foote (Biology); Andrew Inkpen (Biology); Andre Doucette (Mathematics and Computing Science); Shannon Ledger Piercey (Geology); and Ryan Boudreau (Chemistry).

"These grants are a tribute to our outstanding faculty and reflect Saint Mary's University's dedication to innovative research and scientific discovery," said Dr. J. Colin Dodds, President of Saint Mary's. "The funds enable our researchers - faculty and students alike - to continue to excel in their disciplines and to deliver high-level research that will ensure Saint Mary's remains a leader in scientific research," added Dodds.

The Honourable Maxime Bernier, Minister of Industry, and Dr. Suzanne Fortier, President of NSERC, announced the results of the 2006 NSERC Grants and Scholarships competitions, worth more than \$503 million. Funding was awarded to some 8,800 professors and students across Canada following national, peer-reviewed competitions conducted by NSERC.

"These NSERC awards ensure that Canada's best and brightest university professors and their students can conduct research that will contribute to our national stock of knowledge, and ultimately to job creation and economic growth," said Minister Bernier who made the announcement in Halifax. "And investment in their future is an investment in ours."

Each year thousands of professors from universities across Canada compete for NSERC's *Discovery Grants* and other funding. These grants provide primary support for research in dozens of fields, such as chemistry, life and material sciences, mathematics, and civil engineering. The professors dedicate a large portion of their grant funds to training Canadian undergraduate, graduate, and postdoctoral researchers. *The Student Research Awards* are meant to stimulate students' interest in research in the natural sciences and engineering at the graduate level of study.

"NSERC is extremely pleased to support the talent and creativity found in universities across Canada," said Dr. Fortier. "We take great pride in the contributions university researchers have made to Canada's prosperity, and we have every reason to expect even greater things from them in the future."

Natural Science and Engineering Research Canada (NSERC) is a key federal agency investing in people, discovery and innovation. It supports both basic university research through research grants, and project research through partnerships among postsecondary institutions, government and the private sector, as well as the advanced training of highly qualified people.

Saint Mary's Helps Make Universal Liberated Learning a Reality

Saint Mary's University, the host institution for the Liberated Learning Consortium, has launched a new project called Universal Liberated Learning.

Liberated Learning is a new approach to fostering greater access to information using a specially designed speech recognition technology. The technology enables real-time captioning of lecture and presentation material while simultaneously producing Web-accessible multimedia transcripts. The technology, originally developed for the university classroom, has already been used in the public and corporate domains. It is now poised to benefit the disabled community at large.

Liberated Learning was introduced at the Atlantic Centre for Research, Support and Access for Students with Disabilities in 1998. It has since grown to encompass 13 universities in a global consortium dedicated to enabling barrier-free access to learning for persons with disabilities.

Saint Mary's is working in partnership with Trent University and IBM Research to engage national Canadian disability organizations in the development process for *IBM ViaScribe™* speech recognition technology - the cornerstone of the Liberated Learning concept. In working with these organizations in conjunction with the Government of Canada through the Office for Disability Issues (Human Resources and Social Development Canada), Liberated Learning is entering an exciting new era.

The project team has initiated this key phase of community involvement by demonstrating the technology to national organizations such as The Canadian Hard of Hearing Association, The Canadian Hearing Society, Easter Seals Canada, the Neil Squire Society, and the Learning Disabilities Association of Canada to name a few. All are enthusiastic for the potential of this leading-edge technology to support and further the aspirations of disabled Canadians.

"The Canadian Hard of Hearing Association is absolutely thrilled to be a part of this exciting new technology. Hard of hearing persons rely on the printed word to ensure they are correctly receiving the right information," said Janice McNamara, Executive Director, Canadian Hard of Hearing Association. "This new technology will make it easier for our community to access print technology in many areas where we have not been able to access the spoken word effectively. Venues such as meetings, classrooms and public forums will now be accessible to our community. We are pleased to partner with the Liberated Learning Consortium and look forward to working with this group to advance this technology."

Once past the introductory phase, the project will progress to developing a national strategy for barrier-free access to learning fuelled by the collaborative input of partner disability organizations. This proactive approach is made possible through funding support for core Liberated Learning activities as well as funding for a dedicated employee to coordinate outreach activities with the disability organizations.

Funding of \$192,760 for this project was provided by the Social Development Partnerships Program, Human Resources and Social Development Canada.

A redesigned and updated Liberated Learning website has been launched, complemented by new print materials reflecting this step onto the national stage.

The International Manager of the Consortium, Keith Bain, sees this as an exciting opportunity for Saint Mary's University, a recognized leader in providing services for students with disabilities, to participate in a collaborative partnership that will empower the disabled community nationwide.

Said Bain, "Although Liberated Learning has evolved significantly through partnerships between academia and industry, we need the creative inputs from a wider variety of organizations and individuals, especially those representing Canadians with disabilities. This collaboration with the Office for Disability Issues creates a platform for new research and development but, more importantly, actively engages persons with disabilities in this project."



On September 5, 2006, Dr. J. Colin Dodds hosted the annual President's Dinner for New Students in The Tower gymnasium. Left to right: Dr. John MacKinnon, Philosophy Department; Dr. Pawan Lingras, Mathematics and Computing Science Department; Dr. J. Colin Dodds, President; and Margaret-Anne Bennett, Office of Instructional Development, served some of the more than 500 new students in attendance.

International Internships Provide Students With Invaluable Experience



Past and current participants of Saint Mary's International Internship Program, left to right: Lesley McGee, Sarah Cunnian, Krista Chase, J.D. Bridges, Linda Luikus, Latoya Perkins, and Rebecca Fitzgerald Project Manager, International Activities Office.

An enthusiastic group of young Atlantic Canadians recently gathered at Saint Mary's University for a stimulating week of training in preparation for their upcoming venture into the worlds of international commerce and development. Over the next few months, 13 youth will depart Canada to play active roles in global affairs through a range of innovative six-month overseas work placements. The briefing drew together Saint Mary's staff, faculty, and past participants to share best practices in such areas as risk management, cross-cultural adaptation, health, skills identification and development, event management, networking, and project management.

A number of staff from the International Activities Office were involved in the briefing. These included Denis Leclaire, Director; Heidi Taylor, Program Manager; Maureen Woodhouse, Project Manager; Lesley McGee, Project Manager; Rebecca Fitzgerald, Project Manager; and Sasha Sears, International Program Assistant. Also from Saint Mary's, Michael Sanderson, Project Manager, Saint Mary's University Business Development Centre; and Dr. Tanya Peckman, Assistant Professor, Anthropology Department, played key roles.

2006-07 marks the tenth year that Saint Mary's has coordinated the International Internship program, administered through the office of International Activities. The program provides youth up to 30 years of age, who possess a post-secondary degree or diploma, with a first, career-related international work experience to jump-start their careers. Since the program's launch, over 150 youth have established careers in locations around the globe. Funding for the 2006-07 program is being generously provided by the Canadian International Development Agency (CIDA) and the Department of Foreign Affairs and International Trade (DFAIT) as part of the Career Focus Program of the Government of Canada's Youth Employment Strategy.

Esther Arthur, a participant of the 2005-2006 program, stepped into a marketing position at the Canadian Chamber of Commerce in Vietnam after graduating with a Bachelor of Commerce degree from Saint Mary's. Said Arthur, "The work experience was exactly as I had hoped - it allowed me to operate within the heart of the international business community, to learn real life business skills, and to develop valuable contacts in Asia. I was able to simultaneously develop my marketing, administrative and event planning (including client relations) skills." Arthur credits the program with her recent success in receiving a two-year marketing contract in Bangkok, Thailand.

This year, ten of the placements will support Canadian foreign policy with respect to international commerce, strategic alignment with new and established powers, and to Canada's future prosperity in a globalized world economy. Funded by DFAIT, these participants will have the opportunity to forge business relationships through work in Canadian and International Chambers of Commerce and Business Development Centres in France, Spain, Poland, Czech Republic, China, Vietnam, Malaysia and Thailand. During the pre-departure training, participants boosted their professional skills by attending the annual conference of the Forum for International Trade Training.

Three placements funded by CIDA will support Canadian foreign policy by engaging young Canadians in development issues such as Human Rights, HIV AIDS, and the reduction of child mortality. Through work placements with Uganda Martyrs University, Help Lesotho, and UNICEF Tajikistan, young Canadians will play a part of the achievement of the Millennium Development Goals and develop concrete skills that will contribute to their professional and personal growth.

New Canada Research Chair Will Probe Employee Health

How healthy are your employees, and how can you keep them at the top of their game?

Dr. Arla Day, a professor in the Psychology Department at Saint Mary's University, seeks the answers to these questions following her appointment as the University's first Canada Research Chair in Industrial/Organizational Psychology.

Dr. Day's multi-faceted research looks at the physical and psychological health of employees. She will develop programs to help people balance their work and life commitments and reduce job stress.

This summer, the Honourable Maxime Bernier, Federal Minister of Industry and Minister responsible for the Canada Research Chairs Program, officially announced Dr. Day's position at the University.

"The continuing investment in the Canada Research Chairs Program is vitally important," said Minister Bernier. "Research performed by chairholders lets us better understand and respond to issues affecting our communities, our cities, our country and our world."

Dr. Day has been a professor in the Psychology Department since 1996.

"It's important to move beyond simply identifying the factors that influence employee health," she said. "We need to ensure employees are both physically and psychologically healthy. Prevention is key."

"I'm extremely pleased about this opportunity," said Dr. Day. "Research shows more than a quarter of workers say they have high work-life conflict. This conflict has damaging effects on business and home life."

"The position will allow me to explore ways that we can improve the health and well-being of employees and make organizations more effective. It's a win-win situation."

Some of Dr. Day's proposed work with colleagues and graduate students involves examining work-life balance of parents of special-needs children, developing distance health programs, and improving quality of work life for health-care professionals.

Her research activities are strongly aligned with Saint Mary's University strategic areas of occupational health and human resources.

Dr. Day is the sixth professor at Saint Mary's to be named a Canada Research Chair. Current Chair-holders at the University include: Dr. Jason Clyburne (Canada Research Chair in Chemistry); Dr. Catherine Loughlin (Canada Research Chair in Management); Dr. Robert Deupree (Canada Research Chair in Astronomy and Astrophysics); Dr. Joseph M. Hahn (Canada Research Chair in Astrophysics); and Dr. Peter Twohig (Canada Research Chair in Atlantic Canada Studies).



Left to right: Students Josh Nash, Matt Munro, Steven Uloth, and Morgan Cowan begin excavating at the house site in Grand Pré.

Saint Mary's Archaeologists May Have Discovered "Ground Zero"

For the sixth consecutive season, archeology students from Saint Mary's University have ventured to Grand Pré National Historic Site to dig into the past. This year's team has discovered a number of historical artifacts that could pinpoint the location of

the British headquarters during the deportation of the Acadians in 1755.

In late August, Saint Mary's archaeology professor, Jonathan Fowler and his team of students discovered the ruins of what is likely an 18th century Acadian house near the site of the old Acadian cemetery. The team recovered a collection of artifacts from what appears to be a slate heath base. The artifacts include an iron fork, a portion of a pewter spoon, a fragment of an iron kettle, and various ceramic sherds.

Surprisingly, 13 musket balls were also recovered from the ruin while another eight were found nearby - possibly the largest number of musket balls ever discovered at an Acadian domestic site. The find has encouraged Fowler and his students to speculate that this might be evidence of the New England military presence at Grand-Pré during the Deportation in 1755.

"We know from the surviving journals of two of the New England officers that they occupied the parish church, the priest's house, and another small house, and that all of these buildings were close to the cemetery," said Fowler. "Our new site is adjacent to the cemetery, which makes it a very likely to have been one of those buildings." He noted, however, that additional research must be conducted to better understand the structure.

The team has processed hundreds of artifacts unearthed during the season's work. Now out of the field, the students are studying the artifacts and preparing research papers in addition to preparing for a ceramics identification test.

Although this year's discoveries are still being processed, Fowler looks forward to getting back into the field next year.

"We have had an excellent crew this year and they've done really fine work. They've generated plenty of material to keep us all thinking hard over the winter, but what we really need to do is get back out there."

The University has been offering the Grand-Pré Archaeological Field School Course since the summer of 2001. The project, which has been extremely popular with students and with the public, is a joint initiative of Saint Mary's University, Parks Canada, and the Société Promotion Grand-Pré.

Chemistry Professor Solves Major Post-Surgical Problem

Hospitals around the world could soon have access to an all-natural medical product capable of preventing tissues from sticking together after surgery.

This yet-to-be marketed anti-adhesion device exists thanks to the research of Dr. Clive Elson, a professor of chemistry at Saint Mary's University and the founder and scientific consultant at Kytogenics Pharmaceuticals Ltd., a medical-device and drug delivery company based in Halifax, NS.



Dr. Clive Elson, Chemistry professor, is the founder of Halifax-based Kytogenics Pharmaceuticals Limited where he serves as scientific consultant.

Through initial research at Saint Mary's, Kytogenics has developed a medical anti-adhesion product derived from N,O-Carboxymethylchitosan (NOCC), Kytogenics' patented polymer developed from the lowly shrimp cell. Crustacean shells and exoskeletons contain the polymer "chitin" (pronounced kite-in), but Dr. Elson has concentrated on shrimp because it is readily available as a byproduct of the Atlantic Canada shrimp fishery in addition to being inexpensive. In the past, the shells from all those cocktail-party shrimp rings would end up as fertilizer.

The anti-adhesion product doesn't have a commercial name yet, but it could be called "Slippery" because it prevents tissues from sticking together inside the body, and is also derived from a natural product. Currently in clinical trials for gynaecological operations,

surgeons are applying the Kytogenics' material to tissues and organs that have been injured during operations to prevent them from adhering to each other. Unwanted surgical adhesions are one of today's leading unmet medical needs.

"The most rewarding part came from a clinical trial in which a woman who was infertile because of a pre-existing condition received our anti-adhesion treatment and was subsequently able to conceive and have a healthy child," said Elson. "It doesn't get any better than that."

Although Dr. Elson's product has been undergoing clinical trials only in gynaecological surgeries, it can also be used in cardiac and abdominal surgeries. The product is expected to be approved in the next couple of years and will be the crowning achievement of three decades of research and discovery.

The shrimp shells are the only inexpensive part of the lengthy research and discovery process. To help support the high costs associated with research and clinical trials, Kytogenics has received several million dollars in investment funds from Growth Works (formerly Working Ventures Canadian Fund), the Business Development Bank of Canada (RDC), and InNOVAcorp, a provincial Crown corporation whose mandate is to help Nova Scotia-based companies commercialize technology. In addition, Kytogenics has received support from what Dr. Elson describes as a "Fortune 500 company that wishes to remain anonymous." That involvement is vital because it provides Kytogenics with a distributor when the product goes to market.

"Kytogenics is one of only 14 companies across Canada that is currently in phase three of FDA trials, which is quite an accomplishment for any company," said InNOVAcorp president and CEO Dan MacDonald, adding that approval by the U.S. Food and Drug Administration is critical to market acceptance.

In North America, medical products can't be marketed without the approval of either the FDA or Health and Welfare Canada.

Dr. Elson credits Saint Mary's for allowing him to devote time to his research. "The University has definitely been supportive of my efforts, and has granted me leaves in order to develop Kytogenics," he said.

While the surgical product is in its final stages of testing, Dr. Elson has developed another NOCC derivative that can be combined with drugs to help them travel to areas such as bladder walls where they could not previously go. Bladder inflammation, which occurs most often in women, is both painful and life altering, said Dr. Elson, because sufferers can never stray far from a washroom. The condition is difficult to treat because the bladder walls won't readily absorb drugs.

Clinical trials are expected to begin later this year to demonstrate that Dr. Elson's chitin-based product will penetrate the bladder wall while combined with anti-inflammatory drugs that help relieve the condition. Because of the length of time required for clinical trials, the product is still several years away from reaching the marketplace.

That doesn't bother InNOVAcorp, which has invested \$1,050,000 in Kytogenics and provided lab space and business services since 1996 in what MacDonald describes as an example of a long-term commitment.

"It's amazing how far they have come on relatively little capital investment," he said. "When it's successful, Kytogenics will have not only solved a major post-surgical problem, but it also will be one of just a handful of Atlantic Canada companies to break into the global medical-device market."



Alumni Weekend Report - Schedule of Events

Thursday, September 21, 2006

- 5:00 p.m. – Alumni Association Annual General Meeting
- 6:00 p.m. – Reception – Atlantic Room, Westin
- 7:00 p.m. – Alumni Dinner – Commonwealth Room, Westin – Stephen Kelly, Chair
Special Guest Speaker:

Mayann Francis, BA'72, Lieutenant Governor Designate

Tickets \$75.00/ Tables of 10 \$750 Call Krista Armstrong to order 420-5068

Friday, September 22, 2006

- 12:00 – Golden Grads Luncheon (invitation only)
- 3:00 pm – Women's Soccer Game against MUN (Turf)
- 5:00 pm – Men's Soccer Game against MUN (Turf)
- 8:00 p.m. - 12:00 a.m. - Young Alumni Pub Night, Gorsebrook Lounge

For the young at heart as well – the Pub has been renovated – come and see the new look, sing a tune(karaoke) and answer some trivia questions for great prizes.

Saturday, September 23

- 9:00 a.m. -12:30 p.m. - **Opening Doors sessions – Private Dining Room, Main Floor Loyola**

Reunion
Weekend
10 & 25 Year
gatherings
(1981 & 1996)

Come learn about these relevant topics from Professors who research in these areas:

Subjects: **Business Ethics**, by Dr. Chris MacDonald and **The International Espionage**, Dr. Ron Landes.

5 Year
Vanier Cup
Champions
Reunion

- 10:00 a.m. - Saint Mary's University Sport Hall of Fame & Heritage Centre Induction Ceremony – Tower Courtside Lounge; Light brunch available from 9:00 a.m.; Honoured Inductees for 2006: Michael Curry, Reginald Joseph MacDougall, and Dr. Robert (Bob) A. Ruotolo

- 11:00 a.m. – 1:00 p.m. Pre Game Warmup, Gorsebrook Lounge – Get ready for the game with great entertainment.

- 1:00 p.m. – 5:00 p.m. – Huskies vs. Montreal Carabins



Sunday, September 24, 2006

- 12:00 noon – 2 p.m. - Family Picnic, the Oaks – Varsity Student-Athletes as Guests/Hosts, Husky Mascot, free bbq, games, etc. Lots of fun for all ages!

Avoid the Stones confusion – use these routes: Take Oxford – Beaufort – Inglis or Lower Water to Hollis to Barrington to Inglis Street to our favourite campus.



For more information or directions to a particular event, visit www.smu.ca/alumni.

Scholarly Professional DEVELOPMENT

ANTROPOLOGY

This past summer, **Dr. Tanya Peckmann** supervised two M.Sc. students from the United Kingdom: **Shawna Peterson** and **Claire Stevens**. Shawna's thesis focused on using ground-penetrating radar to detect human bodies buried in clandestine graves. Her research has received an enormous amount of media attention (both for the project and Saint Mary's), including interest in a segment for the Discovery Channel.

ART GALLERY

The writing of Saint Mary's University Art Gallery Director/Curator, **Robin Metcalfe**, has received favourable notice in the distinguished Canadian art magazine, *BorderCrossings*. The current issue includes a rave review by Leah Sandals (page 130) of the recent book, *Image and Inscription: An Anthology of Contemporary Canadian Photography*. Edited by NSCAD University professor, Robert Bean, the anthology features Metcalfe's essay "Light in the Loafers: The Gaynor Photographs of Gaëtan Dugas and the Invention of Patient Zero." The author presented his essay in a public lecture at Saint Mary's University on 26 January 2006, followed by the official Halifax launch of the publication in the Art Gallery. *Image and Inscription* is published in Toronto by Gallery 44 in collaboration with YYZ Books.

ENGLISH

Dr. Tatjana Chorney attended the Congress of the Canadian Society for Renaissance Studies (CSRS) at York University between May 26-30, 2006. There she presented her paper entitled "Richard Crashaw's 'Flaming Heart' and Reading Right in Baroque Art".

Dr. Sara Malton attended the 2006 Interdisciplinary Nineteenth Century Studies (INCS) Conference at St. Chad's College and Durham University in the United Kingdom (July 6-9). There she presented her paper "The Bank and the Body Politic: Dicken's *Barnaby Rudge* and *A Tale of Two Cities*."

Dr. Wendy Katz attended the fourth biennial Robert Louis Stevenson conference, "Transatlantic Stevenson," in Saranac Lake, New York, in July. She presented a paper entitled "Stevenson's 'With the Children of Israel': The Discourse of Race in Silverado Squatters." Dr. Katz also chaired a session at the conference.

Dr. Wendy Katz: "Whitman and Thoreau as Literary Stowaways in Stevenson's American Writings." In Richard Ambrosini and Richard Dury, eds, *Robert Louis Stevenson, Writer of Boundaries*. University of Wisconsin Press, 2006.

Dr. Michael Larsen presented a conference paper on "John Godey and Crimes of the Century" in April at the annual "Popular Culture Association/ American Culture Association" meeting in Atlanta, Georgia.

Dr. Gillian Thomas presented a paper, "Worlds Apart: Two Victorian Women Readers of *Natural History*" at the annual conference of SHARP (Society for the History of Authorship, Reading and Publishing) held at the Koninklijke Bibliotheek, (National Library of the Netherlands) The Hague from July 11-15. This work is part of a longer project with the working title, "Textual Drift: Tracing Changes in the Reading Experience."

GEOGRAPHY

Dr. Philip Giles completed a trip in May that contributed to two projects. First he went to Utah for ten days to conduct a scoping mission for a new course, GEOG 3100.1(2) Geography Field School. Dr. Giles had entered a competition called Innovation in International Field Study supported by the Strategic Initiatives Fund and organized by the International Activities Office, and his application was selected. The Department of Geography is planning to hold a Geography Field School course in Utah in Spring 2008. The course will take a regional perspective that integrates human and physical geography topics.

Dr. Giles then went to Banff and the Canadian Rockies. He is currently organizing a conference in Banff called Alluvial Fans 2007. This conference will attract researchers from around the world to a type of environment in which alluvial fans have been examined less frequently (a humid, recently glaciated environment in contrast to arid, non-glaciated environments). Alluvial fans are cone-shaped deposits of sediment that accumulate at the mouths of steep mountain drainage basins where stream flow becomes unconfined.

Dr. Hugh Millward attended the International Geographical Union (IGU) Conference and Field Excursion on "Land-use and Land-cover Change" in Cairns, Queensland, Australia (July 8-14). There he presented his paper entitled "Metropolis in the Wilderness: Regional Land Planning for Halifax, Canada".

Dr. Cristian Suteanu attended the "International Conference on Complex Systems" hosted by New England Complex Systems Institute in Boston, Massachusetts (June 25-30). There he presented his paper entitled "Anisotropy and spatial scaling aspects in the dynamics of dissipative systems with discrete appearance".

Dr. Cristian Suteanu was invited as a visiting scholar to the International Graduate School "THESIS - Complex Processes in the Earth: Theory, Experiment, Simulations" in Munich, Germany (June 12-22, 2006). There he taught the graduate course "Analysis of Patterns and Pattern Forming Processes".

Dr. Cristian Suteanu attended "Emotional Geographies - 2nd International & Interdisciplinary Conference" at Queen's University in Kingston (May 25-27). There he presented his paper entitled "The gift that never ends: synchronic and diachronic experience of signs in explorations of geographical environments."

"Explorations in Complexity" is the name of an interdisciplinary seminar for graduate and undergraduate students organized by **Dr. Cristian Suteanu**, Department of Geography and Environmental Studies Program. Insights and practical methods from this rapidly developing field - dedicated to complex systems, whether natural or anthropic - are applied to real-world problems, including aspects of the participants' projects. Seminar sessions generally take place every month - the exact dates are announced via an e-mail list of interested participants. For details, contact Dr. Suteanu at tel. 420-5731, or by e-mail at cristian.suteanu@smu.ca.

HISTORY

Dr. Kirrily Freeman attended the Canadian Federation for the Humanities and Social Sciences at Congress 2006 in May. There she presented her papers entitled "Urban Reconstruction and the Legacy of the Wartime Destruction of French Public Statuary" and "Rebuilding the Nation: Urban Reconstruction in Northern France".

Dr. Colin Howell attended the North American Society for Sport History (NASSH) conference in Glenwood Springs, Colorado, and gave two papers: 1) "A Tale of Two Outlaws: Jorge Pasquel, Jean Pierre Roy and the Postwar Challenge to Organized Baseball" and 2) "Assessing the Field of Sport History: A Commentary". As a member of the Publications Board of NASSH, Dr. Howell was involved in discussions on the future of the Journal of Sport History, and in the selection of a new editor for the journal. Also Dr. Howell was invited and agreed to join the publication board of the International Journal of Sport History.

Dr. Linda Liebenberg attended the "2nd International Congress of Qualitative Inquiry" hosted by the Institute of Communications Research, University of Illinois at Urbana-Champaign, May 4-6. There Dr. Liebenberg presented her paper "The use of Image-based methods to enhance communication in border-crossing research". Dr. Liebenberg was invited to submit an article to "Qualitative Research in Organizations and Management" a new journal to be published by Emerald. Dr. Liebenberg submitted "The 'us' and 'them' in research: Can we get around it?"

Dr. Michael Vance presented his paper entitled "The Migration of Scottish Patriarchy to Upper Canada" at the "Migrations Conference". The conference was hosted by British Association for Canadian Studies in Cambridge, England between April 19-21, 2006.

INTERNATIONAL DEVELOPMENT STUDIES

Dr. Suzanne Dansereau attended the 2006 CAAS Conference in Montreal in April. There she chaired the panel "Changing Role of the State". Dr. Dansereau gave a paper with Erika Burger, titled "Gender, HIV/Aids and prevention in Southern Africa: beyond behavior modification". As President of CAAS, she also chaired executive meetings and the Annual General Meeting.

Dr. Anthony O'Malley, Coordinator of International Development, co-authored "Banking on Poverty in Latin America: Assessing the World Bank's 'War on Poverty'" in the Canadian Journal of Development Studies."

IRISH STUDIES

Dr. Pádraig Ó Siadhail attended the Annual Conference and General Meeting of the Canadian Association for Irish Studies (June 14-16) at the University of Ottawa. At the conference entitled "Urban Ireland," he presented a paper, "Bomb, Boom & Bust: (London) Derry, Ireland, & Londonderry, Nova Scotia," and chaired a session on "Writing the City."

MANAGEMENT

Dr. Albert J. Mills:

The publication of *Organizational Behaviour in a Global Context* (Broadview Press, 2006) marks something of a milestone for Albert J. Mills, as his 225th publication. It is his fourth book to be published in 2006 (he has 8 other books in print), and is one of his 40 publications for the year 2005-06. Mills' other recent publications and presentations include: co-edited (with Jean Helms Mills) special issue of Culture and Organization on Sensation and Organization, 12: 3, September, 2006; (with Jean Helms Mills) "Being Sensible about Sensation," Culture and Organization, 12(3): 199-206 - Sept. 2006; (with Jane Mullen and Natalie Vladi) "Making Sense of the Walkerton Crisis," Culture and Organization, 12 (3): 207-220- Sept. 2006; (with Tony Yue) "Making Sense out of Bad Faith: Sartre, Weick and Existential Sensemaking in Organizational Analysis." In Proceedings of the Standing Conference on Organizational Symbolism, University of Nijmegen, July, 2006; (with B. Long, J. Grant, E. Rudderham-Gaudet, and A. Warren) "Genocide in Rwanda: Leadership, Ethics, and Organizational Failure in a Postcolonial Context" in Organizational Behaviour in a Global Context, edited by A.J. Mills, J. Helms Mills, J. Bratton & C. Forshaw. Peterborough, ONT: Broadview Press, 2006 and presented as finalist in the Academy of Management Dark Side Case Writing Competition, Atlanta, Georgia, August, 2006; (with Benschop et al) symposium on "The uneasy marriage between feminism and CMS." Presented at the CMS Interest Group of the Academy of Management annual conference, Atlanta, Ge., August 5-11, 2006; (with Durepos and Helms Mills) "Tales in the Manufacture of Knowledge: Writing a Business History of Pan American Airways." Paper presented at the Management History Division of the Academy of Management annual conference, Atlanta, Ge., August 5-11, 2006; (with Carroll and Helms Mills); "Managing Power and Resistance: Making Critical Sense of Call Centre Management." Paper presented at the Critical Management Studies Interest Group of the Academy of Management annual conference, Atlanta, Ge., August 5-11, 2006; (with Dye) "Acker's Gendering Processes: An Unfinished Tapestry" Paper presented at the Gender and Diversity in Organizations Division of the Academy of Management annual conference, Atlanta, Ge., August 5-11, 2006; (with Bell Crawford) "Formative Context of Organizational Hierarchy and Discourse: Implications for Organizational Change and Gender Relations." Paper presented at the 7th International Conference on Organizational Discourse: Identity, Ideology and Idiosyncrasy, Amsterdam, 26th-28th July, 2006.

MODERN LANGUAGES AND CLASSIC

Dr. Joëlle Cauville attended the "Conseil international des Etudes Francophones (Sinaia, Romania, June 25/July 1, 2005). She chaired a session entitled: "Réécriture des mythes" and presented her paper "Symboles et mythes dans Monsieur Ibrahim et les fleurs du Coran ('Récit' 2001 by Eric Emmanuel Schmitt, film adaptation by François Dupeyron, 2003)". Dr. Cauville also had the article "Jeux de doubles à Joux: La Deuxième Mort de Toussaint Louverture (Roman de Fabienne Pasquet, 2001)" published in Nouvelles Etudes Francophones (NEF), Volume # 21.1 (Spring 2006).

Dr. John Plews attended the American Association for Applied Linguistics and the Canadian Association of Applied Linguistics Conference (June 17-20) in Montreal. There he copresented

the paper "Mirando al norte: The Narrative Emplotment of a Mexican English Teacher Professional Development/Spanish Language Monitor Program in Canada". Dr. Plews also attended the American Educational Research Association Annual Conference in San Francisco, CA in April. There he co-presented a paper entitled "Creating a Curriculum of Cross-Cultural Understanding: Reflections on a Collaborative Action Project in Teacher Education".

Dr. Adam Spires attended "V Congreso internacional en Literatura Chicana" hosted by Universidad de Alcalá. The conference was held May 20-25 in Alcalá de Henares, Spain. There Dr. Spires presented his paper entitled "Asimilación de la frontera mexicano-americana en Caramelo, de Sandra Cisneros".

PHILOSOPHY

Dr. Peter March attended the "ATINER Conference of the European Research Unit" in Athens, Greece (June 1-3). There he presented his paper entitled "Naturalizing Perceptions: Answering Tye's Ten".

POLITICAL SCIENCE

Dr. Stella Gaon attended the annual meeting of the European Consortium for Political Research, held in Budapest, Hungary at Corvinus University (Sept 8-10, 2005), where she presented her paper "Materializing the Other: The Rhetoric of Alterity and the Alterity of Rhetoric." In October Dr. Gaon's article "Communities in Question: Sociality and Solidarity in Nancy and Blanchot" was published in the Journal for Cultural Research. On February 9th she gave a public lecture called "When was 9/11? Philosophy and the Terror of Futurity" in the Contemporary Studies Program lecture series, Derrida: Legatee and Legacy at the University of King's College in Halifax. She also attended the International Association for Philosophy and Literature Annual Conference "Between Three: Arts, Media, Politics," which was held at the University of Freiburg in Germany (June 5-10). There she presented a paper entitled "Politicizing Textuality: The Mutual mediation of Politics and the Literary".

Dr. Edna Keeble attended the 2006 Midwest Political Science Association Annual Conference at Palmer House Hilton in Chicago, Illinois during April 20-23, 2006. There she presented her paper "Canada-U.S. Cooperation on the Great Lakes After 9/11".

RELIGIOUS STUDIES

Dr. Nancie Erhard attended the Canadian Theological Society Conference at the "75th Congress of the Humanities and Social Sciences" at York University May 28 to June 31. There she presented her paper "Are we a 'we' yet?: the emergence of multi-faith progressive political coalitions".

Dr. Anne Marie Dalton attended the Canadian Theological Society Annual Meeting at the 75th Congress of the Humanities and Social Sciences at York University. There she presented her paper "Canadian Mines and Christian Resistance" and also participated on a book review panel for *Introducing Ecofeminist Theologies*, by Heather Eaton.

Dr. Alexander Soucy presented his paper "American Buddhists in Canada: An Exploration of Buddhism as Cultural Baggage" at the annual conference of Canadian Society for the Study of Religion (CSSR) May 28-31. Dr. Soucy has had a journal article entitled "Consuming Loc - creating on: women, offerings and symbolic capital in Vietnam" published in *Studies in Religion/Sciences Religieuses* [35(1): 107-131].

Dr. Magi Abdul-Masih presented her paper "Orientalism in Theology: Jesus' Representation" at the annual conference of Canadian Theological Society May 28-31.

Professor David Feltmate was a participant in the roundtable on Religion and Popular Culture at the annual conference of Canadian Society for the Study of Religion (CSSR) May 28-31.

Dr. Paul Bowlby presented his paper "Religious Pluralism in Halifax: A Research Project in Progress" at the annual conference of Canadian Society for the Study of Religion (CSSR) May 28-31.

SOCIOLOGY AND CRIMINOLOGY

Dr. Diane Crocker attended the Canadian Law & Society Association Meeting (May 31 - June 3) at the 75th Annual Congress. There she presented "The Settling of Criminal Harassment & the Transformative Potential of Law". Dr. Diane Crocker a co-investigator along with **Dr. B. Archibald** (Dalhousie), **Dr. D. Clairemont** (Dalhousie), and principal investigator **Dr. J. Llewellyn** (Dalhousie) have received a grant worth \$1 million dollars for their research project "Beyond Theory: Restorative Justice in Practice." This grant was funded by the Community University Research Alliance (CURA).

Dr. MacDonald Ighodaro attended the conference "The Race/Culture Divide in Education, Law and The Helping Professions" hosted by Centre for Social Justices at the University of Regina May 4-6, 2006. He presented his paper "The Intersections of Blackness: Race and Diaspora Politics of Cultural Identification".

Dr. John McMullan attended the "13th International Conference on Gambling & Risk Taking" hosted by University of Nevada Institute for the Study of Gambling and Commercial Gaming. The Conference was held in Lake Tahoe, Nevada, during May 21-27, 2006. There Dr. McMullan presented his paper "The Security of Gambling and Gambling with Security: Hacking, Law Enforcement, and Public Policy".

Dr. Evangelia Tastsoglou attended the "2006 World Congress of Sociology" held by the International Sociology Association in Durban, South Africa (July 23-29). There she organized and chaired a session on "En/Gendering Transnational Movements and Diasporic Communities" and presented her paper entitled "Security & Immigration, Changes and Challenges: Immigrant and Ethnic Communities in Atlantic Canada Presumed Guilty". Her recent book, *Women, Migration and citizenship: Making Local, National and Transnational Connections* (co-edited with **Dr. Alexandra Dobrowolsky**), was officially launched at a reception hosted by the Research Committee on Women in Society (RC 32). Dr. Tastsoglou has been Secretary and Treasure of RC 32 since 2000 and is now the new chair elect.

Dr. Alfredo Schulte-Bockholt is in on sabbatical in Lima, Peru where he is doing research for a SSHRC research project on violence and corruption in the country. His book titled "The Politics of Organized Crime and the Organized Crime of Politics: A Study in Criminal Power" with Lexington Books, was published in the spring of this year.

More recently, **Dr. Schulte-Bockholt** attended the "International Seminar on Justice and Reparation for Female Victims of Sexual Violence during Internal Armed Conflicts" held in Lima, Peru, on August 9 and 10, 2006.

TESL CENTRE

Instructors **Gail** and **Joe Crossman** recently published *The Question Box*, a four-level set of language learning materials specially designed to develop conversation skills for non-native speakers of English, as well as to generate reading, listening, speaking and writing activities in the ESL/EFL classroom.

New Products at the Bookstore

The Saint Mary's University Bookstore has introduced a wide range of products bearing the new University logo. At a launch event earlier this year, ten lucky recipients were presented with prizes of imprinted products during a ticket draw. Prizes included embroidered sportswear, crystal giftware and a rosewood clock - all for sale in the store.

A strong tradition of spirit and pride is associated with crested university clothing and giftware. As the on-campus source for all crested merchandise, the Bookstore takes pride in its product selection, artwork, and efficiency in making the highest quality products available to members of the university community on campus and around the world.



Left to right: Don Harper, Bookstore Manager; Judy Grandy, Assistant Manager; and Dr. J. Colin Dodds, President, celebrate the launch of a new line of imprinted products bearing the Saint Mary's University signature: Saint Mary's University: One University. One World. Yours.

Students in the Faculty of Graduate Studies and Research Win Major Grants from SSHRC

The Social Sciences and Humanities Research Council (SSHRC) of Canada has announced that 12 Saint Mary's students will receive grants totaling \$360,000 to support their graduate research.

Student winners include Julielynne Anderson, Marlene Keeton, Angela Langille and Leah McMillan, Andrew Crosby, Christopher Dawson, Thomas Haliburton, Krista Hopper, Jordan Wynne, William Tait, Marisha Caswell, and Olubunmi Oyinsan.

SSHRC unveiled a \$99 million investment in masters, doctoral and postdoctoral fellowships and scholarships for Canadians at a special event in Ottawa on September 15, 2006.

"All Canadians stand to gain from this federal investment in advanced training for over 2,000 first-class Canadian graduate students and postdoctoral fellows," said Stan Shapson, interim president of SSHRC.

"These award winners will become key players in Canada's knowledge economy — as leaders, innovators, and researchers in business, the professions, politics, education, and many other fields."

The investment supports 1,198 masters students, 963 doctoral students and 125 postdoctoral fellows. The award holders, who come from every province and territory, were selected from thousands of applicants. They are among the country's top students in the arts, business, and social sciences.

As they pursue their degrees, the master's and doctoral award winners will be honing research skills in key areas of knowledge—from health policy to international trade, from urban violence to sustainability. The postdoctoral fellowships will support new PhD graduates at a key stage in their careers as they prepare to enter university teaching, research, and other professions.

"Research is a vital part of a university education," added Dr. Shapson. "SSHRC's support will enable these outstanding students and scholars to build the knowledge to better understand Canada's most pressing economic, political, social and cultural issues. This support also helps to maintain Canada's international reputation as a nation committed to excellence."

All SSHRC scholarship and fellowship recipients are chosen by independent juries of expert researchers who reward only the highest standards of academic achievement.

Visit the SSHRC website (www.sshrc.ca) for a list of successful candidates.

SSHRC is an independent federal government agency that funds university-based research and graduate training through national peer-reviewed competitions. SSHRC also partners with public and private sector organizations to focus research and aid the development of better policies and practices in key areas of Canada's social, cultural and economic life.



Dr. Tanya Peckmann, forensic scientist at Saint Mary's

Saint Mary's Forensic Anthropologist Finds New Use for Ultrasound

Ultrasound has traditionally been used to check on the development of a human fetus. However, Dr. Tanya Peckmann, a forensic anthropologist at Saint Mary's University, wants to use the medical device to measure the faces of living adults and children.

Those measurements can then be used to help police with forensic facial reconstruction. Police can take an unidentified skull and, using Peckmann's research, create a 3D image of what the living individual would have looked like during life.

"The research is groundbreaking," she said, "It's aiding in solving crimes against people of indigenous ancestry who've historically been ignored by the Canadian judicial system."

The work may appear ghoulish, admits Peckmann, but it's important to the families involved. When the police find skeletal remains—a skull, for example—being able to reconstruct what a face looked like can help identify the individual. "It means that the missing person can have a voice," she said, "and it can give closure to family members."

Even more important are cases of missing children who have been kidnapped but are still alive. "When a child goes missing at age three, and three years later are still not found this data will help with age progression data, it will create a more accurate picture of what that child looks like now," said Peckmann.

"If I can get a large number of volunteers, the picture will be more complete." She particularly wants to work with Canadian aboriginal communities because almost all of the existing data is for white European populations.

Peckmann has received approval for a Social Sciences and Humanities Research Council grant to work with members from first nation communities in Atlantic Canada. "We need data for aboriginal communities that are specific and accurate and appropriate for that community," she said.

She plans to spend this summer working with two SMU students from the aboriginal community developing the project. Together they will offer workshops and seminars so that members participating in the research understand the importance of the study and are comfortable with its protocol. She hopes the study reports will be written in both English and Mi'kmaq. "The university has been extremely supportive," she said. "They're reducing my course load next year so I can do more research. They also are backing my efforts to create a course that will teach the students how to use the ultrasound machines for this work."

The current study is hoping to attract 100 volunteers, but Peckmann hopes to be able to include aboriginal communities across Canada. She will be adapting a technique pioneered by Dr. Mary Manhein of Louisiana State University. Manhein's research concentrates on measuring data for 21 landmarks on the face by using the ultrasound equipment because it gives accurate readings of factors such as skin density while being non-invasive. "I'm very excited about it," said Sgt. Michel Fournier, an RCMP identification specialist based in Fredericton, N.B., who creates composite drawings and aids in identifying human remains throughout Atlantic Canada. "It will definitely be a great help to us when we're searching for a missing child. I still need to explore its potential for showing the age progression of kids, but for facial reconstructions it is helpful right now."

Fournier works with teams in each province that consist of a medical examiner, a forensic anthropologist, and police investigators; he is currently involved in two Nova Scotia cases with Dr. Peckmann doing facial reconstructions on an older man and a young black male. The current data is almost half a century old and taken from male middle-age cadavers.

"With the ultrasound, in the past a person had to die to get measurements, today and you can do it with them standing up," he said. "When someone is dead and has been lying down for a few days, it changes the muscle tone of the face. Gathering new data from the living is far more valuable to us."

Fournier said Peckmann's work with ultrasound measurement is the first of its kind in Canada and will eventually be valuable to police forces across the country. That said, there still is a lot of work to do to perfect it, because at the moment no facial-measurement data exists on Canada's first nation population, and, because there are several different aboriginal groups, researchers will have to work with many communities to gather as much data possible because appearances change between West Coast and East Coast populations. ■

Saint Mary's University Continues to Forge New International Partnerships



Pictured, Dr. J. Colin Dodds (right) and Edward Madureira Brasil, Rector of the Universidade Federal de Goias, signed a special agreement during Dr. Dodds' week-long trip to Brazil earlier this year. Joined by Denis Ledaire, Director of the International Activities Department, Dr. Dodds also signed a new agreement with the Universidade de Brasilia.

There are few things as rewarding as a good investment.

Saint Mary's gave me a foundation that has helped me attain success and reach my goals. With my degree from this small school in Halifax I have been able to compete with my contemporaries and that makes me very proud of the education I received. Saint Mary's has always offered a high quality education and had a strong sense of community. Investing in my education paid off, and giving something back gives more people the same opportunity.

DANIEL J. McCARTHY
Vice-Chairman
CIBC World Markets Inc.
BComm.'76



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