

The TIMES

May, 1996 • Volume 25 • Number One



Saint Mary's provided portable telescopes and binoculars for the public to use to view Comet Hyakutake at the Burke Education Centre from March 24-26. The University also held a public lecture about comets on March 25.

Government to Fund Saint Mary's Business School

by Paul Fitzgerald

Following six long years of often fruitless discussion and paper work now measured in metres, there is a cohesive direction for universities in Halifax, and Saint Mary's University will take a leadership role.

The provincial government has endorsed the Metro Universities Consortium Plan and has provided \$6-million in funding for a number of key projects. The Metro Business Plan, which grew out of the 1995 Partnership agreement, is now a reality. Already, universities in Metro are working together to implement the plan.

From coast to coast and even across the American border, people are closely watching the development of this process. The Minister of Education John MacEachern, whose involvement was applauded by Saint Mary's, says, "I have talked with ministers

of education across Canada and several governors in the United States, and I can't find anyone who dared to try this. They say it can't work because it makes too much sense."

At a news conference on April 4, Nova Scotia Premier John Savage, and MacEachern, gave the plan the green light, endorsed the strategic direction of The Frank H. Sobey Faculty of Commerce, and said that the University will now become the lead institution in graduate business education in Nova Scotia. The government will now commit \$1-million for the construction of a new business school at Saint Mary's. Additional capital funding for the new facility is expected to be announced shortly.

"The encouragement, recognition and substantial financial support from the provincial government is testimony to the quality of the efforts of the entire community," says Saint Mary's University President Dr. Kenneth Ozmon. "The financial commitment is particularly important in that it is a clear signal to business and others of the leadership role expected of Saint Mary's.

With this strategic vision in place, Saint Mary's will be the only institution in the province to offer all levels of business education, including a Ph.D., as well as executive and professional development programs. "The recognition of our Commerce faculty, together with our equally strong faculties of Arts and Sciences, will allow us to move forward as an important, vibrant, relevant, vital and autonomous university," says Dr. Ozmon.

The government also announced the merger of Dalhousie University and the Technical University of Nova Scotia (TUNS). The merger will take place over the next year, and will have no impact on the Associated Universities Agreement in Engineering of which Saint Mary's is a partner.

Metro's seven university presidents have been working together over the last year in order to meet the targeted cuts in funding for post-secondary education. Funding for post-secondary education will decrease from \$192-million to \$171-million. They decided to work together on an agreement that requires all seven institutions to share programs and services. The Consortium Plan is a viable solution in meeting this loss, and will further allow all institutions to focus on growth. Dr. Ozmon indicates that Saint Mary's is prepared for the implementation of the plan, and stresses that faculty, staff and students will all be of equal importance in this process.

The Vice Presidents Academic from Metro's seven universities have identified the programs they might share. Also, the Vice Presidents Administration are considering consolidation administrative services, such as the Physical Plants, Libraries and some financial services. A central registrar's office may be set up in order to oversee admissions and student records, and allow for students to take courses from any university of their choice.

Joining Saint Mary's in the Consortium Plan are Dalhousie University, the University of King's College, TUNS, the Atlantic School of Theology, Mount Saint Vincent, and the Nova Scotia College of Art and Design (NSCAD).

The government announcement not only marks further development for Saint Mary's, but also draws to a successful close more than six years of rationalization for universities in the province. "The government announcement brings to a conclusion, one of the most trying periods in the history of our university," says Dr. Ozmon. "This announcement will enable us to concentrate our efforts on what we do best: teaching, research and community service." □

THE HIGHLIGHTS OF THE GOVERNMENT'S ANNOUNCEMENT

- Endorsement of the Consortium Plan
- Saint Mary's will develop a Ph.D. program in business
- Saint Mary's will receive \$1-million and additional capital funding from the government for the construction of a new business school on campus
- Dalhousie and the Technical University of Nova Scotia (TUNS) will amalgamate by April 1997
- The province will provide St. Francis Xavier with \$250,000 over the next three years for the development of aquatic resources
- A \$1-million innovation grant will be made to Acadia University and the University College of Cape Breton, for foundation programs in computer science and information technology
- Metro Halifax universities may share Physical Plants, Libraries, and some financial services. A central registrar's office may be set up to oversee admissions and student records, and allow for students to take courses at each institution
- Funding from the province will not drop below \$171-million



From Sludge to Flowers 7
Dr. Liette Vasseur explores how plants respond to natural and synthetic factors

A Celebration of Sport ... 4
The Huskies may weather the seasons' highs and lows, but at Saint Mary's, we consider all our athletes winners

MBA students win high-tech contest 6
Our team brings home the prize from Ottawa after competing in a national contest

Gamble on a House 8
In this innovative fund-raising venture, the odds are good for you and Saint Mary's

President receives 1996 Lieutenant Governor's Medal

Dr. Kenneth L. Ozmon, President, Saint Mary's University, received the prestigious Lieutenant Governor's Medal for Excellence in Public Administration at a ceremony held at Government House on February 27, 1996. The Nova Scotia Chapter of the Institute of Public Administration of Canada (IPAC) awards the medal to individuals who significantly enhance the performance and/or the delivery of public administration in the province.



From the left: Mr. Jack Keith, Chair, Saint Mary's Board of Governors, Dr. Kenneth Ozmon, President, Saint Mary's, Mrs. Elizabeth Ozmon, Lieutenant Governor J. James Kinley, and Mark Gilbert, Institute of Public Administration of Canada.

Lieutenant Governor J. James Kinley presented the award and read the citation, which included the following accolades about Dr. Ozmon:

"This year's recipient has chosen to see opportunity and challenge rather than be slowed or stopped by those demands. This is not a recently held belief, but a lifelong commitment to effectively and cost-efficiently meet the needs of the public in Nova Scotia and elsewhere."

"Our medal winner's leadership has created an environment in which the team he has built and nurtured has established his institution as not just relevant, but an integral part of the solution and not part of the problem for our province as it moves into the

new era of a brain-powered economy.

He seeks consensus. He builds partnerships. He is respectful of the opinions, beliefs and values of others but always moves forward to the benefit of his sector and Nova Scotia."

President of Saint Mary's for more than 17 years, Dr. Ozmon has been instrumental in developing the Frank H. Sobey Faculty of Commerce into a leading business school, maintaining and expanding the University's large Arts faculty and its extensive co-operative education and undergraduate research programs in the Faculty of Science. Thanks to Dr. Ozmon's leadership, Saint Mary's receives high praise for its community connections, and for the quality of its programs and faculty. □

Wacky Wheatley's

sponsors fundraising initiative

Through a house lottery, retail entrepreneur Mike Wheatley, President of Wacky Wheatley's, and a group of local business leaders are raising money for the Atlantic Centre of Support for Disabled Students and Student Athlete Leadership Programs at Saint Mary's University. "Support for University programs must come from innovative sources," Wheatley says, "and Wacky's is pleased to have the chance to support high caliber programs."

On April 15, organizers of the project — called University House '96 — began selling lottery tickets on a 2,500-square-foot house on an acre of land in Kingswood On The Lakes, Bedford.

Armoyan Group and Cresco Builders are, respectively, developing the property and building the house.

"This is a new and exciting venture for the University," says Dr. Kenneth L. Ozmon, President of Saint Mary's. "University House and the support it will receive from our alumni and the community will provide additional funding to our nationally-recognized Atlantic Centre and varsity students."

Organizers will sell 4,500 tickets at \$100 each until June 7. They will draw the winning ticket on June 8, 1996. For more information, call Saint Mary's Development Office at 496-8123. □



At the site of the Bedford dream home in February 1996, Dr. Kenneth Ozmon, left, President of Saint Mary's, and Mike Wheatley, President of Wacky Wheatley's. To see the finished house, go to 862 Kingswood Drive, Kingswood On The Lakes Subdivision.



Back row: Hendrik Weiler, CESO advisor, and Angela Jewkes, Leo Villegas, and Marc MacLeod, all MBA students. Front row: MBA Student Shelley Ganderton, Vicki Antone, Economic Development Officer, Onyota'a:ka Reserve, Deanna Doxtator, Economic Development Assistant on the reserve.

Four Saint Mary's Master of Business Administration (MBA) students helped the Onyota'a:ka Nation in Ontario take care of business during a week-long stint in February with the Canadian Executive Services Organization (CESO).

CESO Aboriginal Services, which links volunteer business professionals with native entrepreneurs, arranged the excursion. Fourteen teams of second-year MBA students from Saint Mary's, McGill University, Queen's University, York University, and Ecole des hautes études commerciales participated in like projects across the country.

Saint Mary's team, which included Shelley Ganderton, Marc Macleod, Angela Jewkes, and Leonidas Villegas, worked with the Onyota'a:ka Nation to create a business plan for a community-owned service company.

"We don't want to say what the business is just yet," says Shelley Ganderton, an MBA student at Saint Mary's and a lieutenant

Business students' savvy aids native community

ant in the Canadian Navy. "The plan is still at the approval stage with the band council. It's part of an ongoing effort for economic development in the native community."

Representatives from the Onyota'a:ka Nation prepared terms of reference for the assignment. Then the team conducted preliminary research at Saint Mary's before they went to the reservation. "We were really prepared when we arrived," Ganderton says. "That enabled us to get a lot done there. In fact, we were so busy with the plan, we didn't see much of the community!"

CESO Aboriginal Services arranges projects that not only create a forum for ideas and mutual understanding between academia, native communities, and business, but that also expose students to the hopes of First Nations peoples. The organization footed the bill for the trip and provided volunteer advisors to work with students.

Royal Bank of Canada and Indian and Northern Affairs Canada donated generously to the \$100,000-program. Great-West Life Assurance Co., the Maclean Foundation and Industry Science and Technology Canada also contributed. □

Marketing intern goes to American consulate

Commerce student Janet Ann Hurley begins an internship in the United States Consulate in mid-April in order to gain hands-on experience in international marketing research. Through the half-credit course, which runs April through June, Hurley will make global contacts, gain insights into the workings of international business and prepare reports on topics of interest to U.S. business under the supervision of a Commercial Representative, U.S. & Foreign Commercial Service. She will work at the consulate one afternoon a week and conduct research in libraries and government offices in order to prepare seven to nine Industry Market Insight reports for the consulate.

As faculty advisor for the internship, Dr. Harold Ogden, Marketing, will supervise, and provide advice and assistance. □



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

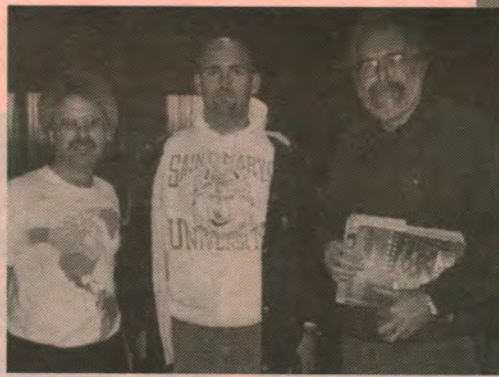
Telephone: (902) 420-5518
Fax: (902) 420-5511
E-mail: cbridges@admin.stmarys.ca
Internet: www.stmarys.ca

Director of Public Affairs: *Chuck Bridges*
Editor: *Annabel Bruce*
Contributing Editor: *Paul Fitzgerald*
Sports: *Virginia Jackson*
Design: *Jim Edwards*,
Dexter Art & Design Associates

AROUND Campus



Break into Saint Mary's
Grade-12 students hailed from across the province and Newfoundland to attend the short course in dorm living. Thirty-three University students, a.k.a. "Break Buddies" escorted visitors to a Welcome Barbecue, a Coffee House, and other activities that gave the prospective first-year students a taste of campus life.



Conference broadens students' horizons

Hundreds of high school students flocked to the Saint Mary's Theatre Auditorium on March 4 for a conference called "Developing the International Dimensions of Secondary and Post-Secondary Education: A Regional Conference on Internationalizing Today's Student." Students learned, among other things, about the internationalization and globalization of jobs and the economy. Representatives from several national organizations told students about international opportunities, and Saint Mary's faculty and staff discussed academic and student mobility programs in the community and at the University. From the left: Dr. Charles Beaupré, Modern Languages & Classics, Shane Paris, a Grade-12 student at Dartmouth High, and Dr. James Morrison, History Department.



Donald Keleher (left), Director of University Advancement, recently accepted on behalf of Saint Mary's the fourth installment of a \$40,000 gift — a cheque for \$10,000 — from Dalton Mather of the Marriot Corporation of Canada. Garth T. Bennet of Sun Life of Canada recently presented the second installment of a \$20,000 gift to the Development Office.



That's Dr. Padraig O'Siadhail, Chair of Irish Studies, partaking in the authentic Irish custom of The Drowning of the Shamrock on March 15, 1996. Folk history states that St. Patrick used the plant's leaves to explain the Trinity — the Father, Son and Holy Ghost. Part of the celebration entailed dunking a shamrock sprig in a drink to obtain the blessing.



Ministers luncheon on consortium plan. From the left: Dr. Kenneth Ozmon, President, Saint Mary's, Dr. Scott Carson, Dean of Commerce, Jay Abbass, Minister of Human Resources, Sandra Jolly, Minister of Municipal Affairs, Alan Abraham, Chris Webb, President, Saint Mary's University Students' Association.



Library links up with other university systems!

The Patrick Power Library recently united, so to speak, with eight other Nova Scotia universities through the \$1.5-million library system called Advance. The state-of-the-art system, created by Novanet Inc., gives students, faculty and researchers access to local and global resources. By clicking on colored icons, students can search more than one million records in the Novanet database or mine the wealth of electronic information on the internet. At the launch of Advance in February 1996, from the left: Dr. Kenneth Ozmon, Saint Mary's President, Mr. Paul Dyer, Secretary Treasurer, Windsor Foundation, and Dr. Colin Dodds, Saint Mary's Vice-President, Academic and Research. The Ministry of Education and the Windsor Foundation donated generously to the project.



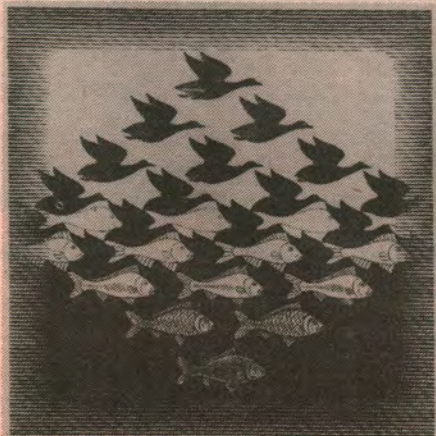
Scenes from MacBeth

Top, from the left: the three witches and Hecate: Sally Irving (witch), Keile Legge (Hecate), Kim Murray (witch), and Joann Maillovy (reclining witch). Above right: MacDuff (Ted Soutar) throttles MacBeth (Sam White) in the Saint Mary's University Drama Society's production of MacBeth. The play's producer, Sonya Jampolsky took these photos.



Look up. Way up.

...and you might see ASN's Breakfast Television crew setting up a broadcast from Saint Mary's campus. That's host Scott Boyd getting ready to descend Loyola's exterior at 6 a.m. on March 1, 1996. The Halifax Police Department Emergency Measures Team provided assistance.



ART GALLERY

Coming next fall to Saint Mary's University Art Gallery

September 11 - October 20

M. C. Escher:

Landscapes to Mindscapes

Organized by the National Gallery of Canada

1996 Spring Convocation Schedule of Activities

Thursday, 9 May, 5-6:30 p.m.
President's Reception in the Multi-Purpose Room

Sunday, 12 May, 3:30 p.m.
Baccalaureate Service at the Canadian Martyrs Church, Inglis Street

Wednesday, 15 May, 1:30 p.m.
Spring Convocation, Faculties of Arts & Education

Wednesday, 15 May, 7p.m.
Spring Convocation, Faculties of Commerce & Science

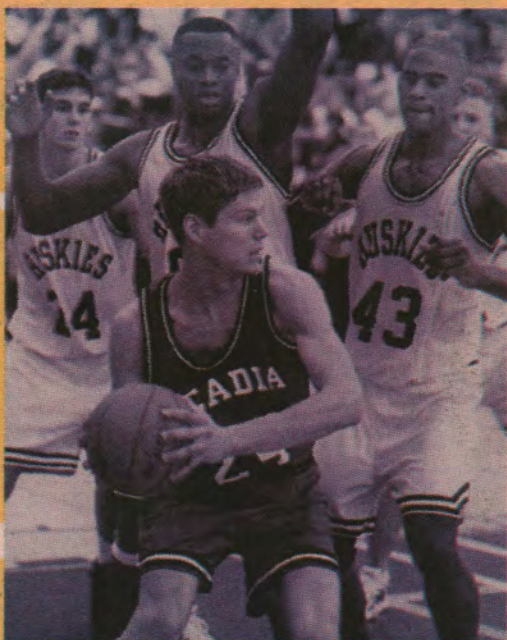
MacLean makes finals for Johnny F. Bassett Memorial Award



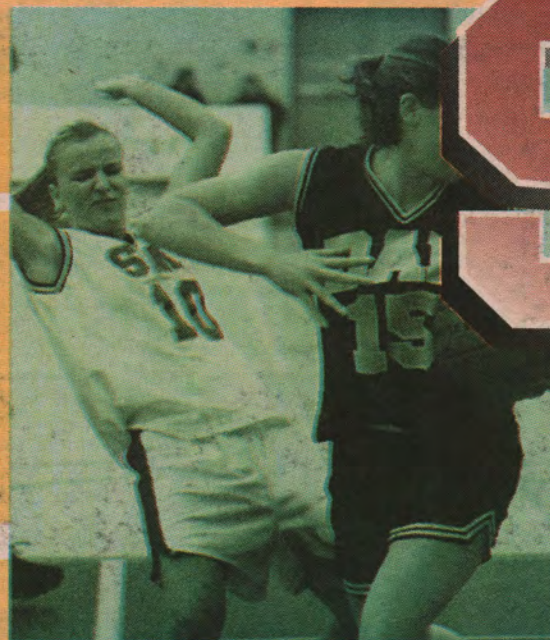
Ted MacLean, Football Player, is the proud winner of the Russ Jackson Award.

Saint Mary's football player Ted MacLean was one of three finalists for the prestigious Johnny F. Bassett Memorial Award, a national honor that recognizes amateur athletes for sporting excellence and community values. He, Tara MacLellan, a track and field athlete from Judique, Nova Scotia, and Mark Tewksbury, an Olympic swimmer from Calgary, were nominated for the Department of Canadian Heritage-Sport Canada award. Tewksbury won it at a banquet held in Toronto on March 26.

MacLean already pocketed the Atlantic Universities Athletic Association 1995-1996 Russ Jackson Award for his performance on the Huskies Football team and for his academic performance and community spirit. ♡



Jason Medford, Saint Mary's Male Athlete of the Year, makes his presence known on the court. Medford, along with two other Huskies players on each side, box in an Acadia Axemen player.



Female Athlete of the Year and still no respect! Jadranka Crnogorac stands her ground during a contest against Dalhousie. (Photo: Halifax Chronicle Herald)

1995/1996 Athletic Awards. The winners are...

John Jones Memorial Trophy

— Nadine Sinclair, Volleyball
This "unsung hero" award is named after the late John Jones, ice-maker for the Saint Mary's arena for more than a decade. The *Journal* staff selects from nominations a winner for his or her outstanding contributions and dedication to varsity sports.

Vern Creighton Award

— Ken Edwards, Hockey
Presented to the "Manager of the Year," varsity coaches submit nominations and select a winner based on his or her unselfish dedication to a team.

Robert G. Hayes Award

— Paul Mason, Football
This award recognizes an individual's outstanding contribution to the University's varsity athletic program.

Dr. David Petrie Award

— Kurt Stevenson
The University presents this award to a student therapist with the proven discipline, dedication and desire needed for success in sports medicine.

Athletes of the Year

Basketball players cleaned up at the Athletic Banquet this year. Jason Medford won Male Athlete of the Year for his performance as a first-team conference all-star, with an average 18.8 points and 6.6 rebounds per games. Jadranka Crnogorac, a third-year guard who averaged 20.3 points per game, received Female Athlete of the Year. She tied the Atlantic Universities Athletic Association record with seven 3-point shots in one game.

Top rookies

Top rookies were hockey's Shawn Redmond and basketball's Stephanie English.

President's Award

Dr. Kenneth Ozmon, President of Saint Mary's, presents this award to a male and female athlete in their third to fifth year of eligibility who exemplify athletic excellence, academic ability and leadership in the community. The winners are Basketball's Bonnie MacLean, who averaged a 3.8 grade point, and Hockey's Jared Steenbakkers who attained a perfect 4.0. Congratulations!

Team Most Valuable Player Awards

There's more to being a Most Valuable Player than getting the most points, goals, or baskets. Teams have their own measures for determining which athletes demonstrate the keenest drive to put the Huskies in the winner's circle.

Men's Basketball: Jason Medford

Women's Basketball:

Jadranka Crnogorac

Women's Volleyball: Jocelyn Wade

Women's Soccer: Terynn Boulton

Field Hockey: Sabitha Masih

Men's Soccer: Jeff Fennell

Hockey: Shawn Redmond

Football: James MacPherson

Track and Field: Emile Luke

Track team attends BT "Olympics"

Sporting four gold medals from the recent Atlantic Universities Athletic Association, Saint Mary's Track and Field Team participated in ASN's Breakfast Television "Olympics" on March 25th. The following team members participated — Anthony Sparkes, Lisa Murray, Lynn Murray, Graeme Day, Ian Gibson, Marja Orlic, Julia Tsouros, Drew Higgins, Todd Henry, and Olympian and Coach Deborah Brown. ♡



Jared Steenbakkers, right, and his brother, John, played together on the Hockey Huskies.



Jared Steenbakkers receives the President's Award from Dr. Kenneth Ozmon, President of Saint Mary's.

ation of SPORT



Hockey Huskies action at the Metro Centre.



Nadine Sinclair (8) and Jocelyn Wade (5) demonstrate teamwork during playoff action.

My brothers, my friends

By Virginia Jackson

It's advantageous to have people look out for you. For Jared Steenbakkers, a third-year Commerce student and Saint Mary's hockey player, that means having his big brothers Marc and John around.

The three brothers, Jared, 25, John, 26, and Marc, 27, all chose to pursue post-secondary education at Saint Mary's. That's not unusual. But for all three to choose to earn Business degrees? It must be in their genes. Marc completed a Master of Business Administration in 1994 and now works for Nesbitt Burns. John completed a Bachelor of Commerce in 1995 and works for Midland Walwyn. Jared will complete his Bachelor of Commerce in May 1997.

Besides an interest in business, John and Jared share another love. Hockey. When they *both* played for the Huskies, it was the first time since they were youths that they played together. And John, (number 24), who played left wing and

defence, still protected Jared. "I would start something," Jared says sheepishly, "and John would be there to back me up." Jared, number 11, plays centre.

"Making the jump to university hockey took getting used to," Jared continues. "The pace is faster and you have to have your wits about you. It's important to keep your head up. If you don't, you'll get hit."

Like most university students today, Jared works as well as studies. Anything goes, from teaching at hockey schools to slinging beer at a local pub. Add work to a full course load, hockey practices and games, and Jared's 4.0 grade point average (the highest grade possible) seems all the more incredible. He follows the advice he gives to younger students when asked about how to juggle everything — time management. His parents had a strong work ethic and instilled this in their sons at an early age. "I saw how hard my parents worked while raising a young family, when they were very young themselves," Jared says. "We learned to discipline ourselves. We were taught to do our best at everything we did."

Business savvy, specifically construction and real estate, runs in the Steenbakkers line. When Jared's grandfather John emigrated to Ottawa from Holland in 1952, he started a construction company, Iber Developments. Two generations of Steenbakkers have worked for the company. Jared's parents have been in the real estate and construction business for more than 25 years. In fact, when Jared and his brothers turned 15, they spent their summers working with their father on construction sites.

The Steenbakkers have always supported each other. Though the family has rarely had the opportunity to see the brothers play hockey, a thrill for Jared last season was playing in the Tim Horton's All Star Game. His father and mother came to Halifax to watch. His grandmother saw the game on television.

Jared still has two more years of eligibility and a Commerce degree to complete. Then he will follow in his brothers' footsteps and pursue a Masters of Business Administration. For now, he continues to train for next year's season. □



Shawn Redmond, Hockey Player, receives the Rookie of the Year Award from Dr. Kenneth Ozmon, President, Saint Mary's.



From the left: Dr. Kenneth Ozmon, President, Saint Mary's, Shawn Jollemore, Signa Butler, Brian Downey and Larry Uteck, Athletics Director, and Football Coach, all enjoyed another successful Athletics Banquet.



Big winners at the Athletic Awards Banquet on March 21, 1996 were (left to right) Jason Medford, Male Athlete of the Year, Bonnie MacLean, President's Award, Stephanie English, Top Rookie, Women's Basketball, and Jadranka Crnogorac, Female Athlete of the Year.

MBA students win national high-tech case contest



With a winning report and a powerful presentation, Saint Mary's team of Master of Business Administration (MBA) students wowed judges at the Seventh Annual National High Technology Management (NHTM) Case Competition held in Ottawa on March 9, 1996.

The University's Management Information Systems team consisted of Angela Jewkes, Michael Waugh, Ken Charters and Greg Matthews.

"I commend the team on their dedication and the degree of professionalism they exhibited under difficult circumstances," says the team's coach, Professor Dave Bateman of Saint Mary's Accounting Department. "This is a testament to the skill set that our entire program provides. There is only so much a coach can do in that short time frame."

NHTM case competition is the only one in Canada that focuses on solving high-technology issues. In the first round, held on March 2, 1996, participating universities faxed their cases to the University of Ottawa within a specified time. Members of the business community then weeded submissions to three teams of finalists. In the final competition, held on March 9 in Ottawa, teams again solved a high-technology case — this time in five hours.

High-tech case winners, from the left: team coach Professor Dave Bateman, Accounting, Angela Jewkes, Ken Charters, Greg Matthews, and Michael Waugh.

Ten judges not only assessed written reports but also each team's presentation skills. In addition to the presentation, students fielded questions from an audience of high-tech specialists.

Twelve Canadian universities participated in the competition. Only three teams made the finals: Saint Mary's; Dalhousie University; and Wilfred Laurier University.

The competition aims to develop future managers with the management skills and technology smarts needed to excel in the global environment. Judges at this year's competition included representatives from the Ottawa-Carleton Research Institute, Air Canada, the National Museum of Science & Technology Corp., Price Waterhouse, Industry Canada, Bell Canada, Microstar Software, among others. Previous winners of the NHTM case competition are University of Western Ontario, Wilfred Laurier University, University of Ottawa, University of Saskatchewan and Ecole des Hautes Etudes Commerciales.

Prof. Bateman boasts, "To an audience of more than 200 possible employers, our team even had the savvy to plug hiring Saint Mary's students!"

Student's "star" report wins regional award

Saint Mary's student Andrew Horsford won first prize for his presentation "What is the Nature of the Star P Cygni?" at the 1996 Atlantic Undergraduate Physics and Astronomy Conference (AUPC-96) held February 2-4, 1996 at the Université de Moncton.

The third-year honours astrophysics student presented results from his summer research work with Dr. David Turner of Saint Mary's Department of Astronomy and Physics on efforts to determine the intrinsic properties of the star P Cygni, such as its age, distance, and absolute magnitude (brightness), using existing observational data. Andrew's award consisted of a certificate, books, software, t-shirts, sweatshirts, and some cash. Twenty students from university physics and

astronomy departments throughout Atlantic Canada gave talks at the conference, including two other Saint Mary's students. Mark Stephenson presented "Solar Modelling," based on research he had conducted with Dr. David Guenther, and Philip Mak presented "A Survey of Solar Activity and Background Count: Are They Correlated?" based on research he had done with Dr. Bill Lonc.

Saint Mary's will host next year's conference on the first weekend in February 1997. Cindy Freeman, a third-year honours physics student, is the primary organizer. Dr. Malcolm Butler will be the faculty advisor.

The Atlantic Provinces Council on the Sciences (APICS) was the chief sponsor of the AUPC-96.

Scholarly & Professional Development

Astronomy and Physics

■ Dr. Malcolm Butler is the faculty sponsor for the 1997 Atlantic Universities Physics and Astronomy Conference to be held at Saint Mary's. Last year, he participated in a prestigious summer school for physics in Seattle, WA. He developed and maintains the department's home page on the WWW.

■ Dr. David Clarke will help organize the 1997 American Physical Society's general meeting in Washington, D.C. He and Phil Hardee of the University of Alabama received 600 hours of supercomputer time from the American National Science Foundation for research purposes. Last year, the National Radio Astronomy Observatory invited Dr. Clarke to speak at a workshop.

■ Dr. David Geunther recently received international recognition for being the first to apply the techniques of "stellar seismology" to a star other than the sun.

■ Dr. Bill Lonc's book *Radio Astronomy Projects* is due out in late spring. He has been a resources person for two engineering physics honors theses on small radio telescopes at Queen's University, Kingston.

■ Dr. George Mitchell received a \$188,000-research grant from the National Sciences and Engineering Research Council (NSERC) last year. He is one of a handful of scientists selected to participate in the internationally funded Odin space mission. He is a member of the Council for the Canadian Institute of Theoretical Astrophysics, the NSERC Scholarships & Fellowships Committee and the board for the James Clerk Maxwell Telescope.

■ Dr. David Turner is editor of the *Journal of the Royal Astronomical Society of Canada*, the country's only astronomical journal. As a "Scientist in the School," he presented several public school lectures on astronomy.

■ Dr. Gary Welch will spend part of his sabbatical in Hawaii. Like Dr. Turner, he educates schoolchildren about astronomy as a "Scientist in the School."

■ Dr. Michael West spent a week at Kitt Peak National Observatory, Tucson, Arizona. Dr. West used a Burrell-Schmidt telescope to continue an ongoing observational study of a distant cluster of galaxies. He is completing an astronomy textbook to be published by Cambridge University Press.

Commerce

■ Dr. Albert J. Mills, Associate Dean, Commerce, and Professor Jean Hatfield, Management, presented the paper "From Imperialism to Globalization: Internationalization and the Management Context — A Review of Selected US Texts," at the sixth international colloquium of the Asian Pacific Research in Organization Studies (APROS), Cuernavaca, Mexico, in December 1995. *The Canadian Review of Sociology and Anthropology* recently appointed Dr. Mills to its Editorial Board starting June 1, 1996.

Management

■ Dr. Terry Wagar presented two papers at the Industrial Relations Research Association Annual Meeting in San Francisco, California, "Examining the Relationship Between Labor-Management Climate and Industrial Relations Outcomes: Evidence from Organized Labor" and "What's Right and Wrong with Grievance Arbitration: An Empirical Investigation of Employer Perceptions." Dr. Wagar recently published the following articles: "Legal Representation and Case Outcome in Non-Discipline/Discharge Cases: Evidence from Nova Scotia" in *Journal of Individual Employment Rights*; and "Faculty Attitudes Toward Union Membership and Strike Action: Evidence from Two Eastern Canadian Universities" in *Journal of Collective Negotiations in the Public Sector* (with Marie Chisholm).

Mathematics & Computing Science

■ Dr. Larry Hughes presented his paper "A Practical Introduction to Data Communications" at the Second International Conference on Software Engineering in Higher Education, held in Alicante, Spain, November 22-24, 1995. The paper described Dr. Hughes' innovative alternative approach to teaching data communications. He builds his course around his "Commkit" teaching software and accompanying book, *Introduction to Data Communications: A Practical Approach*. Colleges and universities across the United States and Canada have adopted the text. A new Jones and Bartlett edition is due out this year.

Philosophy

■ Dr. Peter March and graduate student Shawn Warren presented a paper about the Greenvale system of university education at the University of Winnipeg on March 22, 1996.

Sociology

■ Dr. David Perrier, Criminology, is working on several projects during his sabbatical, including research on processing public complaints against police and a third edition of *From Crime to Punishment*, a text on criminal law which he wrote with Joel Pink.

The world-renowned Canadian Institute for Theoretical Astrophysics (CITA), located at the University of Toronto, recently awarded Dr. Michael West, Astronomy and Physics, its prestigious Senior Visiting Fellowship. The award recognizes excellence in research and provides funds that allow recipients to pursue research at CITA, free from teaching and administrative duties at their home universities. Dr. West will conduct his research at the institute during fall 1996.

What affects the life and death of plants?

Dr. Liette Vasseur's research has a recurring theme: how do plants respond to environmental stress?

From spring foliage to sewage sludge, Dr. Liette Vasseur explores the intrinsic and environmental factors that contribute to the survival of plants. The breadth of her work has made her a specialist in plant population biology, conservation ecology and municipal resource management.

"My main focus is how plants respond to environmental variation and how they adapt to new environmental conditions," says Dr. Vasseur, who joined the Saint Mary's Biology Department and Environmental Sciences Program (ESP) in September 1995. She is particularly interested in species such as *Allium tricoccum* (wild leek) and *Hepatica americana* (American Liverwort), which are rare in Nova Scotia due to natural or human causes. "I look at plant populations dynamics and genetics in different habitats to examine how plants fair in different settings. This research forms the basis of how we should reintroduce species into nature."

In Canada, for instance, several plants are at their northern limit of distribution. They produce many flowers but few seeds. Dr. Vasseur has been investigating the reasons, which could be natural, such as short growing seasons and poor soil, and/or artificial, such as pollution.

Dr. Vasseur earned a Bachelor of Science in biology and ecology at Université de Sherbrooke and a masters degree in biology at Université du Québec à Montréal. When she began a Ph.D. in biology from Queen's University, Kingston, she decided

to take a more theoretical path in ecology and genetics in order to understand better the mechanisms behind plant responses to environmental stress.

"I have always been interested in applied ecology and conservation," she says. "But I needed to go the theoretical route to know exactly what it all meant. Understanding the theory gives weight to suppositions."

"My work is at the edge of what others do," she continues. "Most people are evolutionary ecologists or evolutionary geneticists. I don't see how you can separate the two."

The flip side of Dr. Vasseur's work is environmental monitoring — waste water and sewage sludge disposal and their effects on the environment. Before joining Saint Mary's, she was a research associate at the Université de Sherbrooke for STOPER (Strategies d'Optimisation d'Ecosystèmes Régionaux), one of the first six projects of the federal Green Plan. Funded by EcoResearch, STOPER developed an interdisciplinary decision-making model for municipal waste management.

"We were trying to create a decision-making model that involves all stakeholders," Dr. Vasseur says. As research associate, she was in charge of co-ordinating data collection, creating an impact assessment model of sewage sludge in agricultural



Dr. Liette Vasseur studies plant population dynamics in different habitats.



Hepatica acutiloba with leaves and seeds



Hepatica americana (American Liverwort) and a pollinating insect

ecosystems, developing environmental indicators, and integrating the biological sciences with other fields related to waste management. She helped organize a symposium on sewage sludge management in May 1995, and is editing the proceedings with two other scientists.

Besides juggling a young family, a recent move, teaching and research duties at Saint Mary's, and projects such as STOPER, Dr. Vasseur wrote several papers this year and presented at many conferences, including the Ecological Society of America in August 1995

and the Ecological Monitoring and Assessment Network conference held in Halifax in January 1996.

In April and May, don't be surprised if you see her collecting flowers for her research in environmental science. She hopes to continue her work in plant conservation, biology and management in Nova Scotia. ▣

NEWSmakers

February

Dr. John Chamard, Management Department, talked with ATV about gas prices in Nova Scotia.

Dr. Kenneth Ozmon, President, discussed rationalization with CBC National.

Dr. David Perrier, Sociology Department, spoke with CBC Information Morning about the recent rise in convenience store owners arming themselves.

Dr. Donald Weeren, Religious Studies Department, appeared on MITV to discuss the morals of cheating.

David Lane, Astronomy and Physics Technician, appeared on ATV to discuss the calendar system and leap year.

Dr. Leonard Preyra, Political Science, spoke with Bill Madden, Halifax Cable, about the political situation in Quebec.

Dr. Peter March, Philosophy Department, appeared on CBC Newsworld to discuss seal hunting and cruelty to animals.

March

Dr. John Young, Chemistry Department, reflected on the first generation of computers with CBC Radio.

Dr. Wendy Cheng, Sociology Department, commented to the Halifax Herald on the sentences handed down in the Darren Watts case.

Dr. Colin Dodds, Vice President, Academic & Research, discussed with CBC Radio Information Morning Taiwan/China relations and Chretien securing trade opportunities in China.

Dr. Padraig O'Siadhail, Irish Studies Department, demonstrated the Drowning of the Shamrock celebration on CBC Friday Files (March 17)

Dr. Leonard Preyra, Political Science, spoke with CBC Information Morning, regarding the bielections in Quebec.

Dr. David Turner and David Lane, Astronomy and Physics Department, responded to many interviews (radio, television and print) during the appearance of Comet Hyakutake.

Dr. Therese Arseneau, Political Science Department, critiqued the budget announcement on ATV.

Dr. Peter March, Philosophy Department, appeared on W5 to discuss philosophy and how to introduce it to schools and culture.

April

Dr. Peter March, Philosophy Department, appeared on MITV as a guest panelist for Maritimes Today to discuss is television becoming more intelligent.

Keith Hotchkiss, Director of Student Services, spoke with ATV on exam stress and ways to reduce/eliminate this stress.

Dr. Kenneth Ozmon, President, fielded interviews on the government's approval of the Metro Halifax Universities Consortium (Globe and Mail, Halifax Herald, ATV, MITV, CBC, and Daily News).

Dr. Scott Carson, Dean, Frank H. Sobey Faculty of Commerce, talked with the Globe and Mail regarding the changing face of MBA programs across Canada and how Saint Mary's is responding to the changing needs of employers and students. He also spoke with the Nova Scotia Business Journal regarding the Ph.D. program in business and the new business school building at Saint Mary's University.

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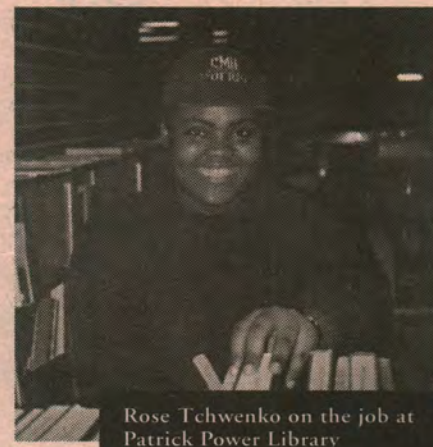
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Saint Mary's University House '96



Cameroon student finds haven at Saint Mary's



Rose Tchwenko on the job at Patrick Power Library

By Sharon Avery

Rose Tchwenko heard the last call for her flight. Thirty family members and a few close friends had gathered at the Cameroon International Airport to say goodbye. Fighting tears, she hugged everyone, took a last look at her mother, and left for Saint Mary's University, 3,000 miles away.

That was four years ago. Rose hasn't seen her family since.

Students from middle-class families in Cameroon, a country in Central Africa, often go abroad to pursue post-secondary education. "I chose Saint Mary's because it was small and had a strong sense of community," says Rose, now a 22-year-old senior studying biology. "I see similarities between Cameroon and Canada. There the anglophones want to succeed. Here the francophones do. Canadians are the same. Both countries have had referendums."

Her parents, both doctors, taught the four Tchwenko children the importance of education. They had planned to provide financial support to Rose while she earned a Bachelor of Science degree at Saint Mary's. But politics interfered. "Just after I arrived in Halifax, the government ordered my parents to stop sending me money," Rose recalls. "It accused them of using the money to buy arms." Her father is a prominent member of the opposition party in Cameroon. He and the family have received death threats and had their telephone lines tapped. In 1991, the Tchwenkos saw their medical clinic torched.

With no money coming from home, Rose was strapped. But her determination and hard work and the aid she received from Student Services allowed her to continue studying. "I thank Keith Hotchkiss (Director of Student Services), and Helen Vaughan (Financial Aid Officer)," Rose says. "They found suitable bursaries for me and a job." When she's not studying, she works in Patrick Power Library and at the Information Services desk.

In addition to her studies and work, Rose participated in the Harvard National Model United Nations in Boston in February 1996, which drew 2,000 delegates from 200 universities. She and 19 other Saint Mary's students represented the Netherlands.

She hopes to return to Cameroon a physician and to practice in rural areas where health care is limited. "Many things concern me about home," she says. "Doctors often want to work in the cities, not in the country. A good way for me to help is to work with people who need the most help."

After she graduates in May, Rose hopes to attend a biotechnology and genetic engineering course in Singapore. Although these plans are tentative, she does have one unwavering goal — to see her parents, for the first time in four years. ☐

University's scientists draw hefty NSERC grants

Research is big business. Just ask the Saint Mary's scientists who recently drew to the University and the community more than \$800,000 in grants from the Natural Science and Engineering Council (NSERC).

"We are a research intensive university," says Dr. David H.S. Richardson, Saint Mary's Dean of Science. "Even though NSERC has had less money to hand out due to federal government cutbacks, support for Saint Mary's has reached a new high. This amount of funding indicates that the research activity and expertise at Saint Mary's is recognized at the national level."

The University's Regional Geochemical Centre and the Chemistry Department received \$255,000 to buy a new x-ray fluorescence spectrometer, which will enable researchers, environmental scientists, and the mining sector to measure toxic elements or heavy metals in rock, sediment or biological samples. The money will also purchase a low temperature attachment for an existing x-ray diffractometer. Chemists will use it to design large molecules for new or specific applications in industry.

With these new grants, NSERC provides operating funds to 55 per cent of full-time Science professors at Saint Mary's. Other scientists on campus receive support from industrial contracts and/or Saint Mary's Senate Research Grants. NSERC also supports fisheries research in the Department



From the left: Drs. David Richardson, Dean of Science, Art Finbow, Mathematics and Computing Science, Victor Catano, Psychology, Jaroslav Dostal, Geology, Terence Day, Co-operative Education Offices and Atlantic Canadian Centre for Environmental Science, Mike Zaworotko, Chemistry, Andy Seaman, English, Division of Engineering, and David Turner, Astronomy and Physics.

of Finance and Management Science in the Commerce Faculty.

Six of the seven professors in Astronomy and Physics and four of five in Geology received NSERC grants, as did many faculty in Biology, Chemistry, Engineering, and Mathematics and Computing Science.

The range of research conducted through Saint Mary's Science faculty is remarkable, from theoretic maths and astronomy to applied engineering, computer science, and environmental studies. Projects in chemistry, geology and biology have components of both pure and applied research.

NSERC grants provide equipment and consumables for faculty to pursue research

and hire undergraduate student assistants during the summer months, an opportunity usually reserved for graduate students. Indeed, the council awarded seven undergraduate research awards this year in addition to faculty research grants. This research experience helps students win scholarships to further their studies at graduate schools in Canada and around the globe. (This year, six of Saint Mary's best students received NSERC post-graduate grants to do this.)

The number of NSERC awards Saint Mary's received is a testimony to the calibre of the University's programs and its Science faculty. ☐