

The TIMES



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A Mexican family reunion

When two Mexican Commerce exchange students came to Saint Mary's last year, no one knew it would turn into a family affair.

This summer Roberto and Felipe Hernandez's two sisters, Clara, 20, and Veronica, 18, came to study English at the University. Enrolled in the Teaching English As A Second Language Centre (TESL), they are taking the two month English for Academic Purposes (EAP) course, to help them qualify for a Canadian university.

Roberto was the one who found out the information about the EAP program, and told his father in Mexico. Within a week of getting the information the girls decided to make their way to Canada.

"It's very interesting. They (the instruc-

tors) are teaching us how to manage in the university and how to use the library," says Veronica. Both Clara and Veronica have applied to Saint Mary's, and while Clara is interested in the Commerce program, Veronica is slowly being persuaded by her family to study the Sciences. This year, when she graduated from high school, Veronica won the top national high school scholarship in her country.

With their two brothers here at the University, they have had an easy time adjusting to Halifax. "It was hard to adapt in the beginning," says Felipe, but with all the societies on campus, that made it easier. Coming to Canada provided Felipe with the opportunity to meet United States President, Bill Clinton, as part of the G-7 Economic Summit. He shook the President's hand and

All together are the Hernandez brothers and sisters. Felipe and Roberto came to the University last year as part of the Mexican-Commerce exchange program and have decided to complete their degree at Saint Mary's. From left to right: Clara, Roberto, Veronica and Felipe.

told him he was from Mexico but studying at Saint Mary's. Pres. Clinton was intrigued enough to chat with him for about four minutes and wished him good luck with his studies.

Both brothers have decided to finish their Commerce degrees at Saint Mary's, because of the high recognition given to a foreign degree. "In Mexico, Saint Mary's is the Harvard of Canada for business," says Roberto.

Roberto is currently employed by the University and works for the Physical Plant for the summer. Felipe is the new editor of the yearbook, and Roberto will act as co-editor.

This year, three Saint Mary's students

will spend a semester in Monterey, Mexico. One is Dawn Pottier, who was influenced to go to Mexico thanks to Felipe. "She's going for six months and I feel bad," he says, adding that it's a great opportunity for her, but he will miss their friendship.

Two other students, Glenda Reid and Gloria Jollymore have returned to Canada after completing spring semester at La Salle University in Mexico City, and a work placement at the Canadian embassy in Mexico.

Besides Clara and Veronica, two other Mexican students from the University of Queretero have begun the Intensive English program at the TESL Centre. They also hope to attend Saint Mary's in the fall. ▢

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Universities move forward with consortium plan

The presidents of seven metro universities met with the Honorable John MacEachern, Nova Scotia's Minister of Education, on July 19, 1995, to outline their collective vision for post-secondary education in Metro and ultimately for Nova Scotia.

Over the last several months, overcoming past differences, the universities' board chairs and presidents have met to formulate a plan for a consortium. "This is a tremendous step forward and will save multimillions of dollars, generate new sources of revenue for universities and the province, and help build on the inherent strengths of one of the province's greatest assets — its universities and colleges," says Dr. Colin Dodds, Vice-President, Academic and Research at Saint Mary's.

"I am astonished and pleased at the co-operation among the Metro universities in their new consortium. It is a framework for a plan to create a consortium which will provide quality, accessibility and choice for students," says MacEachern.

Over the last weeks, the board chairs, presidents and vice-presidents of the Metro universities have held several meetings aimed at developing a framework for the consortium and a business plan. There have

been serious discussions to identify the academic and financial advantages of a metro consortium involving all seven universities.

The framework is built on the *Partnerships Proposal* initiated by Dr. Kenneth Ozmon, President, Saint Mary's, last winter. As outlined in earlier special reports in *The Times*, through the collective efforts of senior administrators, the students' executive association and the senate, the universities hope to realize substantial savings, to accommodate shrinking government budgets and to meet increased demand for quality and accountability.

"In less than seven months, the universities have moved from the threat of a government imposed agenda and loss of autonomy, to a co-operative, collegial, and future focused plan with the identity of each of the universities intact. The importance of this plan is that its attention is on the students and the community," says Dr. Ozmon.

While no actual figures are available, local media reports have suggested savings of between \$12-\$17 million dollars, as well universities must develop new sources of revenue to help replace rapidly decreasing

public funds. In the case of Saint Mary's, government support is now less than 50 per cent of its operating budget, making it the lowest in Canada.

"Our efforts have been aimed at not only dealing with the issue of saving money but also improving the quality of post-secondary education in Nova Scotia, and with finding new sources of revenue," says Dr. Dodds. "We remain proud of the past, present and future of an autonomous and fiscally responsible Saint Mary's, and of our record of teaching, research and community service."

Dr. Ozmon presented the partnerships proposal to his fellow university presidents in late 1994. It was endorsed by Mount Saint Vincent University (MSVU), the Atlantic School of Theology and the Nova Scotia College of Art and Design in February, 1995. Since that time, the presidents of the respective partner universities and the board chairs of all Metro universities have worked towards the plan provided to the Minister of Education in July, 1995. Saint Mary's has been represented by board members including Jack Keith, QC, the

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Award winning students



Award winning students. Back left to right: Andrew Rodenhiser, Danny Davis, and Gabriel Ossen-Kamp from Dalhousie University, Graeme Day, Mary-Anne MacDonald and Dr. Michael Zaworotko, Chemistry Department, Saint Mary's. Front left to right: Dr. Ken Seddon, Key note speaker from Queen's University in Belfast, Ireland, Kristin Janz from Dalhousie, Rosa Melendez and Susan Pearce from Saint Mary's.

Biology:

Atlantic Provinces Council on the Sciences (APICS) Conference on Biology and Aquaculture, held in Cornerbrook, Newfoundland. Tanya Gillan, a recent Bachelor of Science graduate obtained second prize for the best poster presentation and Sath Murty, also a recent Bachelor of Science, honors graduate obtained third prize for best oral presentation at the conference.

Chemistry:

Saint Mary's was well represented and very successful in competitions held at two chemistry conferences.

For the 1995 Atlantic Chemical Institute of Canada Student Chemistry Conference, held at Saint Mary's, eight students presented papers based upon their research results and four were awarded prizes. Graeme Day, a fourth year Bachelor of Science student won for best physical paper — oral; Mary-Anne MacDonald, a recent Bachelor of Science graduate won for best inorganic paper — oral; Rosa Melendez, a recent Bachelor of Science graduate won for

best overall paper — oral and Susan Pearce, a fourth year honors Bachelor of Science student won runner-up overall — poster. Saint Mary's has won best overall paper for four consecutive years.

1995 Canadian Society for Chemistry Conference, held in Guelph, Ontario. Four students competed in the undergraduate poster competition and there were over 30 entries. Rosa Melendez and Susan Pearce shared the first place prize. This is the first time a Saint Mary's student has won the national competition.

Executive Master of Business Administration (EMBA):

This year two Saint Mary's student won the Nova Scotia, regional prize, in the eighth Annual Master of Business Administration, Canada-Hong Kong Trade Competition 1994-95. Darlene Stevenson and Wanda George, both EMBA students won for their business plan they researched and wrote for Kings of Nova Scotia, a fresh produce, high quality, consortium in Canning, Nova Scotia.

New student society



Standing with Arab Society President, Hashem Abou-shahla, 26, a fourth year Commerce student is Tawfeeq El-Barghouty, 20, a third year Commerce student, who handles public relations for the society.

There's a new student society on Saint Mary's campus. Over the past four months, the Arab Student Society has slowly evolved in the campus community.

Currently, three Canadians, a couple of Ethiopians and African students help to make up the 50 students who joined the society.

"Because of the increasing number of Arab students on campus and because everyone was wondering who we were, we decided to form a society to increase the awareness of Arab society," says Arab Student President, Hashem Abou-shahla, 26,

a fourth year Commerce student, majoring in Accounting and Finance.

Originally from Palestine, Abou-shahla came to the University in 1993. At that time there were about 10 Arab students on campus and those numbers have tripled within three years. Because of Western influences on his home country, such as television and radio, he did not experience any cultural shock when he moved to Canada, though many Arab students find it hard to adjust to university life.

The objectives of the Society are to familiarize people with Arab culture and traditions, organize seminars and debates and set up tutorials to help members within the society.

The majority of members are women and most Arabs who come to the University are from Palestine, Jordan, Saudi Arabia or Kuwait. A lot of Canadians think that all

Arab women wear the traditional hejab, the veil that covers the body from head to toe, but most Arab students go unnoticed in classrooms, dressed in jeans, t-shirts and sneakers. While the majority are Muslim, about 40 per cent of Arab students in the Society are Christians.

Throughout the year the Society plans to hold a number of seminars open to everyone within the University community. They hope to have key speakers from each of the departments, address a number of issues either pertaining to Arab society in general, or how Arabs are viewed by the outside world in business or the sciences. They are also planning a newsletter for society members. Everyone is welcomed to attend the society's general meeting in September. To find out more information about the Arab Society, leave a message with Saint Mary's Students' Association at 420-8700. ☺

The pen makes way for the Bible

A lot of people who reach mid-life are often settled in their jobs, routines and ways of life. Not so for one Saint Mary's employee who was more than eager to begin a new phase of her life.

On June 30, 1995, Martha Martin, 42, Secretary, Continuing Education Department, finished her last day in the department where she worked for the past two years. An employee of the University for about four years, she was recently named Mount Saint Vincent's new Chaplain.

"It's a dream come true to use my skills and I'm still pinching myself to see if it's real," she says. Religion is not new to Martin, but rather a way of life. Having left the church for a number of years, she rediscovered her faith with the birth of her three children.

"For me the call to the ministry was gradual and I knew I wasn't being called to be an ordained minister," she says. She saw religion as a way to educate and counsel people.

This year has been momentous. She carried a full load which included courses to complete her Bachelor of Arts degree, majoring in International and Development Studies, and theological course work. With all that she juggled the church, full-time employment plus her family.

In addition to her work with the University, Martin also worked with Save the

Children Canada. Her responsibilities included working with international development agencies, co-ordinating and supporting volunteers and educational programs.

With her educational background and counseling skills that she has developed through her theological work, Martin feels that she will benefit the students at the Mount.

"I've been going in this direction as a lay person and it's the kind of recognition that makes you feel great," she says about her new job.

Half-way through the five year Centre for Christian Studies Regional program, operated through the United Church of

Canada, part-time work is a welcomed reprieve. Martin is one of two people currently enrolled in the Centre for Christian Studies program east of Ontario. The course combines theological studies with field placements. One year is spent in a congregational setting and one in a social/community environment. At the end of her program, she hopes to be commissioned as a Diaconal Minister with the United Church of Canada.

As the new Chaplain at the Mount, she plans to respond to the needs of the students, and work on co-ordinating the baccalaureate and Montreal massacre services. ☺



Martha Martin, days before her new job as Chaplain for Mount Saint Vincent University, takes a break in the backyard of Saint Mary's Continuing Education Department.

Universities move forward

Continued from page one

Honorable Alan Abraham, QC and Wilfred Moore, QC.

There is still "A lot of hard slogging ahead," says Alice Mansell, President of NSCAD. Dr. Elizabeth Parr-Johnston, President of MSVU, who has been instrumental in bringing about the agreement, described it as, "A shared vision, a strong commitment and an exciting venture because it draws on the best expertise of all of our people."

A more detailed plan will be available this October. The presidents and board chairs have asked the Minister of Education for a facilitator to further the discussions.

The Minister of Education, when asked about the tough decisions to be made, including the business school issue and the merging of computer science programs told reporters, "I believe that when that question comes to the table, they will decide. They (universities) have taken charge of the agenda for reform." ☺

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AROUND Campus



Not a pipe dream

Sixty members of the Queen Victoria School Pipe Band and Highland Dancers from Dunblane, Scotland, made the Loyola Residences at Saint Mary's their home from June 23-July 9, 1995 during their performances in the Nova Scotia International Tattoo. Queen Victoria School, Dunblane, Perthshire is an independent boarding school for sons of Scottish serving men and women in the army, navy and airforce. Dunblane is about 40 miles north of Edinburgh. Our wonderful summer weather was a bit warm for the pure wool kilts and ostrich feathered hats.



New residence security

Starting mid-August, Alan Cook will be the new Assistant Director of Residence Security for Saint Mary's, for at least two years. He replaces Joe Varner, who was this year's Assistant Director.



Fond farewell

On June 23, 1995 four members of the Saint Mary's community said goodbye to fellow friends and colleagues at a reception held in the Courtside Lounge, The Tower. From left to right: Ron Lewis, Head Librarian for 19 years, Gerald Schultz, Physical Plant employee for 24 years, Lucy Caldarozi, Physical Plant worker for 21.5 years and Peter Weal, Manager, Print Shop for 26 years.



Moving on

Christine Tordon, Assistant Director, Admissions Department receives an award from Kim Squires, Manager, Personnel Services for her service to the University, during the reception at the Courtside Lounge on June 23, 1995. Tordon moved to Mississauga, Ontario for her husband's new job.



A Japanese welcome

Pictured with Dr. Michael Larsen, Dean of Arts are members of a Japanese delegate that assembled at Saint Mary's on June 15, 1995 for a quick tour of our university facilities. From left to right: Fraser Gould, Vice-President, Saint Mary's Students' Association, Dr. Larsen, Ryuichi Kidoura, Mayor, Hakodate City, Dr. Colin Dodds, Vice-President, Academic and Research and Kyoji Fukushima, Chairman of the City Assembly of Hakodate Japan.



That same day, the Hakodate-Halifax Friendship committee stopped by the University. Again Dr. Larsen and Dr. Dodds played host for the visit and welcomed the Saint Mary's connection to its twin city in Japan.



Labatt relay success

Once again the Labatt's 24-hour relay was a success, with over \$405,000 raised towards the Abilities Foundation of Nova Scotia. The relay was held at Huskies Stadium. Pictured at the starting line is Donald Jackson, a Bachelor of Arts recent graduate.



Hall of fame

Delia Edwards was this year's co-inductee into the Frank H. Sobey Faculty of Commerce Hall of Fame. Edwards received the award, with her husband, for their contributions to their employees and customers while building Edwards' Fine Foods.



A \$5,000 donation

Dr. Scott Carson, Dean of Commerce is pictured here with Philip Lind, Vice Chairman, Rogers Communications Incorporated. Rogers has honored its Maclean Hunter Limited commitments and donated the fourth installment of \$5,000 on a \$25,000 five year pledge, on May 29, 1995.



Outstanding philanthropist

Don Kelher, Director, University Advancement, is pictured here with Keith Senior, Vice-President Atlantic for the Bank of Nova Scotia, and board chair at Saint Mary's. Recently the Bank of Nova Scotia won the prestigious Canadian Society of Fund Raising Executives award for the province, thanks to their philanthropist efforts.

A butterfly explosion update



When people think of butterflies they envision beautiful winged insects, with brightly painted wings, going from flower to flower. However, before a butterfly flies, it is first known as the dreaded caterpillar.

Like adult butterflies, caterpillars come in all shapes and sizes and they have ferocious appetites. This year there has been an explosion in the swallowtail butterfly population. As a caterpillar they feed on apple tree leaves as well as other broad-leaf trees and can destroy a lot of leaves if left unchecked. There is not much anyone can do if they do not want to spray insecticides, says Dr. Doug Strongman, Biology Department at Saint Mary's.

"The conditions were good last year. We didn't have a harsh winter and with that the population does increase, but they usually go in cycles," he says, concerning the butterfly explosion. The population cycles

are over a period of several years and within a couple of years, the swallowtail butterfly probably won't be as noticeable. With millions around the province, the population becomes exposed to more diseases and parasites and that reduces the survival rate for next year.

The swallowtail butterfly is yellow and black and each wing tapers to a point forming a fork resembling a bird's tail, hence the name. The female and male are similar in appearance, and as adults their life span is only a couple of months. Brightly colored butterflies like the swallowtail are often poisonous to birds so their only predators are spiders, small mammals or other insects.

The best advice is to enjoy their beauty until the population drops again which, unfortunately, will probably be in the near future. ♡

Saving pieces to the past

Dr. Jim Morrison, History Department at Saint Mary's delivered 12 oral history transcripts to the Colchester Historical Museum in Truro, Nova Scotia on June 9, 1995.

The 12 oral histories were compiled by his students taking the Introduction to Oral History course, taught at the Teacher's College in Truro. Each student completed two hours of a historical interview with a senior citizen in the Truro area. Once the interviews were completed the students had the enormous task of transcribing the tape word for word.

Historical interviews help capture a piece of the past that would otherwise be lost and forgotten. All the transcripts will be stored in the Archives at the museum and they are available for the public to read.

Dr. Morrison has photocopied the material and he is in the process of compiling the information into a book, for this fall. ♡

Scholarly & Professional Development

Accounting Department

■ It was incorrectly reported in the last issue that Dr. T.S. Chan, Director, MBA program was elected to the Institute of Internal Auditors. In fact, it was Dr. Thomas T. Cheng, Accounting Department, who was elected to be a member of the Board of Governors of the Institute of Internal Auditors in Nova Scotia, on April 12, 1995.

Astronomy and Physics Department

■ Dr. Malcolm Butler, Astronomy and Physics Department, ran a successful Internet survey for the City of Halifax Strategic Planning Committee on Technology. He has been asked by the committee on Social Climate to run a similar survey for them. Both surveys run using the World Wide Web. They are located on either the Chebucto Community Net on the City of Halifax home page at (<http://www.cfn.cs.dal.ca/Government/HfxCity/HalifaxHome.html>) or through the Saint Mary's Astronomy and Physics public interest page (<http://mbsun.stmarys.ca/public/public.html>). Users can also link with the Social climate survey at (<http://mbsun.stmarys.ca/city/social.html>)

■ David Lane, Technician, Astronomy and Physics Department, recently travelled with Paul Gray to the General Assembly of the Royal Astronomical Society of Canada (RASC) in Windsor, Ontario. They gave a joint paper about the supernova which they discovered here at Saint Mary's earlier in the year. At the society's annual banquet they were awarded the RASC's "Ken Chilton Prize," its second highest award. The "Ken Chilton Prize" is awarded for a significant contribution to astronomy carried out or published during the year.

■ Dr. Michael West, Astronomy and Physics Department, was an invited speaker at the sixth Canadian conference on General Relativity and Relativistic Astrophysics, held May 25-27, 1995, at the University of New Brunswick. The title

of the talk was "Black Holes, Galaxy Formation and the Large-scale Structure of the Universe." Dr. West also presented a paper called "Vagabond Globular Clusters," at the annual meeting of the Canadian Astronomical Society, in Penticton, British Columbia, May 27-31, 1995. He also spoke at the annual banquet of the Halifax branch of the Royal Astronomical Society of Canada, on "How Old is the Universe, and How do we Know?" on May 19, 1995.

Dr. West was recently elected to a two-year term on the Optical and Infrared Astronomy Committee, of the Canadian Astronomical Society. He was also elected a member of the Canadian Institute for Theoretical Astrophysics.

Chemistry Department

■ Dr. Keith Vaughan, Chemistry Department, along with D. Sean Brown, Jason V. Jollimore, Marcus P. Merrin and Donald L. Hooper, published a paper called, "Formation of methyl 2-arylhydrazono-3-oxobutanoates and 2-arylhydrazono-3-oxobutanenitriles during the coupling reaction of arenediazonium ions with methyl 3-aminocrotonate and 3-aminocrotonitrile," in the *Canadian Journal of Chemistry*, Vol.73, no.2, pp.169-175, 1995.

■ Dr. John C. O'Young, Chemistry Department, acted as technical program chairperson at the 86th annual meeting of the International District Energy Association in Indianapolis, Indiana, and received a Presidential Award for contributions to that organization. Dr. Young also participated in a meeting of 3M National Teaching Fellows at the University of Western Ontario and presented a paper on his hydraulic reduction work at the annual meeting of the International Energy Agency's Advanced Fluids Experts Group in Seoul, South Korea. Dr. Young and Graeme Day, a student from his Advanced Fluids Research Group, presented a paper and a poster respectively on colloidal aspects of this work at the third annual Atlantic Colloid Group Meeting at St. Francis Xavier University, in Antigonish, Nova Scotia.

Geography Department

■ Five faculty members and five former students of the Geography Department

presented papers at the annual meeting of the Canadian Association of Geographers held in Montreal, Quebec, as part of the Learned Societies Conference. Dr. Terence Day, Geography Department, presented "Strategic environmental assessment of marine sand and gravel extraction on the Scotian Shelf"; Dr. Bob McCalla, Geography Department, presented "Corporate Strategies and Important Factors in the Cruise Ship Deployment Decision"; Dr. Hugh Millward, Geography Department, in conjunction with Lorna Winsor, a former student, presented "Retail change in the Halifax Central Business District, 1911-1993"; Dr. Peter Ricketts, Geography Department, along with Derek Fenton, a former student, presented "Strategic environmental assessment of shellfish closures in Passamaquoddy Bay, New Brunswick"; Dr. Brian Robinson, Geography Department, presented "On scopic regimes (from the Dark Side)." In addition Catherine Conrad, a former student, presented "A test of the multiquadric method of interpolation using drumlin data from the Lunenburg, Nova Scotia and Peterborough, Ontario fields"; Mark Brown, a former student, presented "Developments in trade theory and their implications for trade research in geography"; Larry Peach, a former student, presented "Evaluating tourism planning in Prince Edward Island: the case of Cavendish."

Management Department

■ Dr. Jamal Badawi, Management Department, with Muhammad Jamal, published "Job Stress and Quality of Working Life of Self-Employed Immigrants: A Study in Workforce Diversity," in the *Journal of Small Business and Entrepreneurship*, vol. 12, no.1, Jan-March 1995. They also published, "Moonlighters among Immigrants in North America: A Study in Workforce Diversity," in *International Journal of Management*, vol. 12, no.2, June 1995.

Dr. Badawi was also one of the "Family Violence Prevention" Spiritual Leaders Advisory Group responsible for organizing an executive briefing for spiritual leaders held at Saint Mary's on May 31, 1995. He presented a paper called "Family Violence Prevention: An Islamic Perspective." He was also among those invited to the Prime Minister's reception in Halifax to honor the

volunteers in the organization of the G-7 Economic Summit and participated in several interfaith functions connected with the event.

Registrar's Office

■ Elizabeth Chard, Registrar, became the new Vice President/Treasurer of the Terry Fox Humanitarian Awards Program, on May 18, 1995. This is the organization which administers the trust fund established primarily by the people of Canada in memory of Terry Fox. About 100 awards are given out annually, valued at \$4,000 each, to high school students about to enter university, who have overcome personal obstacles and who have made significant contributions to humanity, primarily through their volunteer work.

Religious Studies Department

■ Dr. Anne Marie Dalton, Religious Studies Department, completed her dissertation: *Thomas Berry's Religious Ecology in Light of Bernard Lonergan's Theory of Emergent Probability*, with distinction and was awarded her doctorate by the Catholic University of America in May, 1995. She also presented a paper, "Ecology and the Reform of Culture," in the Czech Republic. She was awarded a Senate Research Grant to begin work on "Religion and Cultural Attitudes Toward Ecology in 20th Century North America." She will be going to Russia in October to present papers on ecological issues in Slovakia and St. Petersburg. Dr. Dalton wrote an entry on Thomas Berry for the *New Catholic Encyclopedia* and was invited to present the first paper, "Voices of Ecology and Theological Reflections," in a new series of public lectures sponsored by the Elliott Allen Institute on Ecology and Ethics in the Toronto School of Theology, in Ontario.

■ Dr. Paul Bowlby, Religious Studies, for the past year has been invited to review the study of religion in the Atlantic Region, which was sponsored by the Corporation for the Study of Religion. The Senate Research Committee at the University awarded \$2,600 for this project. Dr. Bowlby has been invited to be co-researcher on the national research project entitled "Pluralism Canada." He will be responsible to oversee the research on the Buddhist community in Halifax. Dr. Bowlby completed his seventh consecutive year as Chairperson of the Religious Studies Department, this time as Acting Chair. ♡

Making the NEWS

Dr. Ather Akbari, Economics Department, spoke to Allan Thompson, of *The Toronto Star*, concerning taxes on immigrants on May 17, 1995.

Dr. Jamal Badawi, Management Department, was interviewed by the BBC (Arabic Service) in Halifax, on May 31, 1995 in connection with the G-7 Economic Summit. He was also interviewed by the "Voice of America," on the concept of suffering from an Islamic perspective, and by the *Palm Beach Post* in Florida on Muslim contributions to Western Sciences.

Dr. Cyril Byrne, Irish Studies Department gave a commentary on CBC Radio's Information Morning, concerning the Irish famine and the impact that had on Irish history on July 13, 1995.

Dr. Owen Carrigan, History Department, produced an editorial piece for *The Halifax Chronicle Herald*, regarding university partnerships on June 21, 1995.

Dr. Colin Dodds, Vice-President, Academic and Research spoke with the *Nova Scotia Business Journal* regarding universities helping the Nova Scotia economy, on June 7, 1995. Dr. Dodds also spoke with reporter Ward Smith, from Global TV, Cathy Shaw from *The Halifax Chronicle Herald*, the *Nova Scotia Business Journal* and CBC Radio, regarding the partnership meeting with the Minister of Education, on July 19, 1995

Dr. Larry Hughes, Mathematics and Computing Science, talked with Andrea MacDonald, *The Daily News*, concerning the Internet's Skyscrapers which list different business on July 5, 1995.

Dr. Colin Howell, History Department, was interviewed on CBC Radio's Maritime Noon for four days about his new book, *Northern Sandlots: A Social History of Maritime Baseball*, from June 13 to the 15th. The week before the launching, on June 9th, he talked to George Jordan from CBC's Radio Mainstreet about the book.

David Lane, Technician, Astronomy and Physics Department, spoke with ASN's Lunch TV on June 20, 1995, about the topic what's up in the sky and how to get started in Astronomy.

Dr. Michael Larsen, Dean of Arts, spoke with a reporter from *The Daily News* regarding the possibility of lower enrollment figures for next year, on June 6, 1995.

Dr. Chris McCormick, Sociology Department, spoke with MITV and Q104 about his new book, *Constructing Danger: The Misrepresentation of Crime in the News*, on May 23, 1995. Two days later he was also on CBC Radio, discussing his book. On June 19, 1995 Dr. McCormick participated in a panel discussion during MITV's Maritimes Today program.

Dr. Peter McKenna, Political Science Department, spoke with *The Halifax Chronicle Herald* regarding the effects of the G-7 Economic Summit on Nova Scotia and Halifax, on June 17, 1995.

Dr. Mark Nigrini, Accounting Department, has been inundated with over 100 telephone calls from top US companies and large US banks interested in his research on taxes and fraud, all thanks to an article that appeared in *The Wall Street Journal*, on July 10, 1995. In February he was featured in the *Chartered Accountant* magazine and on July 20, 1995 he was interviewed by the radio station KMRX in St. Louis, Missouri.

Dr. David Perrier, Sociology Department, spoke with reporter Andrea MacDonald from *The Daily News*, about security at the G-7 Economic Summit, on May 23, 1995. Dr. Perrier also spoke to Rob North, of CBC's Radio program, Maritime Noon, concerning the recent gun control law, on May 24, 1995.

Dr. Doug Strongman, Biology Department, spoke with reporter George Jordan, Maritime Noon, CBC Radio, about the swallowtail butterfly population explosion on July 5, 1995.

Dr. John C. O'C Young, Chemistry Department, spoke with *Saturday Night* magazine regarding Saint Mary's, on May 17, 1995, along with Tom Riley, a recent Bachelor of Commerce student.

Science in China

By Dr. David Richardson, Dean of Science



Enjoying a good Chinese supper is Dr. David Richardson, Dean of Science during his recent visit to Xiamen University. To his left is Dr. Su Zi Xing, Deputy Director, Master of Education, Office of Foreign Affairs, Xiamen University and to his right is Prof. Huasheng Hong, Director, ESRC, Xiamen University

Recently I spent a week at Xiamen University, in China. My visit was hosted by Professor Huasheng Hong, Director, Environmental Science Research Centre (ESRC), of Xiamen University. The centre is mainly involved with coastal zone management and marine environment, plus there is an Institute of Subtropical Oceanography. The Environmental Centre has projects funded by many sources including the European Community. For example there is a joint project with France and Portugal, and another study that involves mangrove rehabilitation with the help of scientist at the Hong

Kong University of Science and Technology.

I presented a seminar on Lichens and their use for monitoring air quality and for other purposes, which was well received.

The Environment centre extended an invitation to Dr. Peter Secord, Accounting Department at Saint Mary's to prepare a seminar on environmental accounting in relation to environmental impact studies. He will be making a follow-up visit in August.

I and Professor Hong, met with the President, and I extended the greetings and good wishes of the University and Dr. Colin Dodds, Vice-President, Academic and Research. Dr. Dodd's hosted Professor Hong's visit to Saint Mary's.

Besides visiting the ESRC, I had time to tour the Chemistry Department at Xiamen. They have lots of instrumentation

including both liquid and solid Nuclear Magnetic Resonance equipment, which is new. Dr. Zonben, Chairman of the department, mentioned to me, that this is one of the most active departments. The department is equipped with computers and he is on e-mail. Surprisingly, they still use mechanical balances, which are in special balance rooms.

Biology is separated into Botany and Zoology buildings. Botany has four areas; plant taxonomy, physiology, ecology and phyto-geography. The department is largely focused on marine subjects with some work on the taxonomy of mountain floras.

Dr. Su Zi Xing is responsible this year for faculty visits, student exchanges and staff language training. Dr. Xing has suggested that a formal declaration of agreement for university exchanges in the Sciences could be formulated. This would outline the number of exchanges, duration of stay and length of operation of the agreement, for a period of years.

Xiamen University wishes to send young faculty members to Saint Mary's for one year periods. Currently there are 10 to 12 English or foreign language teaching jobs at Xiamen University. Students need English As a Second Language or teaching certificates, plus some teaching experience to qualify. Applications can be sent to Dr. Xing at Xiamen University. ☐

Surprisingly, they still use mechanical balances, which are in special balance rooms.

No Smoking notice

Effective September 1, 1995 there will be "No Smoking," on University premises, except in designated areas. The exceptions include the Gorsebrook Lounge and Games Room, a designated area of the Student's Centre cafeteria, a designated area of the Faculty Lounge and adjoining staff smoking lounge, located in the McNally Main Building and all residence buildings as designated by the Director of Residences. The Director of Residences may designate certain areas as non-smoking.

At the end of their second week, the archeology students unearthed most of the soil covering feature 12. This pit like structure is actually an Irish house constructed with a traditional earth mound and rocks for supporting walls.



Brent Huber, 24, a fourth year Anthropology student explains to a group of school children the work that is taking place and the importance of discovering an Irish house near the canal.



Pieces of a common 18th century pearlware cup were glued together. The pieces were found in feature 12, along with 386 other catalogued artifacts. The cup is unusual in that all the pieces were discovered making it one of the most valuable finds of the expedition.

An Irish Mystery

I N C A N A D A

by Renee Field

It's a wet, drizzling morning. The sound of water rushing like leaves in a storm transcends the air as fresh water streams down canal locks.

For the 250 to 300 Irish laborers who worked on the Shubenacadie Canal back in the early 1800's, wet rainy days must have reminded them of home. A home thousands of miles across the Atlantic Ocean. Moving from Ireland to Canada was a way to make a living. Back then the Canal Commission fed and housed the men, who toiled along the banks of Lake Charles, Lake Micmac, and the streams and rivers that connect Port Wallace, just outside Dartmouth, Nova Scotia, to Waverley, Fall River, Enfield, Shubenacadie and Maitland.

The waterways follow an ancient Mi'kmaq route across the province. By the 19th century, they were blasted by private entrepreneurs to create a link between Halifax Harbor and the Minas Basin, on the Bay of Fundy, some 160 kilometres away.

It was not an easy job for the laborers. Tons of earth, along with boulders had to be cleared to make way for the nine locks, and with financial difficulties always looming overhead, job security was based on the company's viability.

Much has been done to retrace the steps of the Shubenacadie Canal. The history of

the many financial problems that plagued the companies in the 1830's and throughout the 1860's has been documented. But the lure of this fabulous system of inland locks that connects rivers to lakes is still very much alive today.

In fact, there is a mystery that the Canal seems reluctant to let historians solve. The Canal has slowly over the many years reclaimed pieces to the puzzle and placed them deeper underground; so much so that to the untrained eye they appear as mounds of earth. But not to Dr. Stephen Davis, Anthropology Department, Saint Mary's University.

"This is an Irish immigrant's house. Reminiscent of what you would find in 19th century Ireland. It's a mystery to us why they built it and lived in it, when the Canal camp provided lodging in bunkhouses," says Dr. Davis. He has excavated areas around the canal off and on for the past 11 years. When he discovered a strange house-like feature in 1985, he immediately was suspicious.

Today, thanks to much of the work completed by Dr. Davis and students at the University there are 21 known archeological sites, including a forge, black powder magazine and three Irish houses. These three Irish houses fascinate Dr. Davis. Most foreigners when they come to a new land copy archi-

Laird Niven, Research Associate, Anthropology Department, points out a piece of a clay pipe that he discovered near the entrance to the house.



Rebecca Kennedy, 21, a fourth year Anthropology student, carefully scrapes the soil into her dustpan while searching for artifacts. This is her first dig and while it's hard on the knees, she says it's lots of fun.



At feature 15, the Irish house found by Dr. Stephen Davis, Anthropology Department, he explains to Kim Tibert and Matthew Falconer, how to remove the existing rocks away from the earth without destroying the feature.



ecture from around the existing area, but not some of these Irish immigrants, says Dr. Davis. This is uncommon, in fact it's the only existing site in the province.

In June, for four weeks, working six hours each day, 12 Anthropology students, along with Dr. Davis and Laird Niven, Research Associate, set out to unravel pieces to the puzzle.

"It's a lot different than learning in a classroom and it's very interesting," says Jerry Mitchell, 39, who is on his first archeology field dig. On hands and knees he carefully scrapes and brushes away layers of dirt, keeping his eyes open for that special second layer, about five centimetres underground, which is where many artifacts can be found.

A one room house:

Mitchell is in a one-by-one metre pit, in feature 12. His pit is close to what Dr. Davis speculates is the doorway, roughly 18 inches (about 0.5 metres) wide. The total building is 150 sq. feet (13.5 sq. metres), and the structure appears to be the size of today's backyard garages. On the outside some type of lean-to was built maybe for outside cooking, says Dr. Davis.

"They made the east wall out of dirt and then placed stones from inside around the other walls," says Dr. Davis, "and that's un-

sual." The building is considered all dry stone construction, with soil layered between the rocks for insulation. Nails were found in the interior of the house and the roof is believed to have been dome shaped, constructed with tree boughs, bark and logs.

A badly rusted straight razor used for shaving, pieces of ceramic, and pieces of a clay pipe were found at this site. The students will spend two weeks in the lab labelling their artifacts and taking inventory of how much ceramic and cooking ware was found to prove this was a family dwelling.

Two room house:

Three students are working on feature 15, which had two hearths and perhaps two families. The site was originally discovered in 1993 and to make sure the walls would not collapse, it had to be filled with gravel. The students working on this feature, are believed to be in the entrance to the house. A lot of their time was spent removing rocks and boulders that collapsed inward on the site over the past two years.

"I've removed 60 good sized stones," says Cheryl Hollohan, 27, a third year Anthropology student on her first dig. Hollohan is with Matthew Falconer, 21, and Kim Tibert, 30. Like all the other sites, experienced archeology field students supervise students on

their first dig, to ensure that every detail is carefully recorded. At this feature, Tibert, a fifth year student on her fourth dig, is the leader.

"This is great and exactly what I thought," says Falconer. "I've found some pottery, bone and glass, maybe from a pane window, and big spikes." When the students are uncertain about moving a certain boulder, Dr. Davis is called in to examine the surrounding area. At this site he explains that they have reached the "cultural layer," which is the original layer of dirt that existed over 150 years ago at this site.

The east wall of this house has rounded corners, almost identical to homes found in Ireland. Walls were typically built almost two metres high and this building is about three by eight metres.

Educational purposes:

Both homes will be partly reconstructed to help educate the public about the historical importance of these sites. Currently the Canal Commission is trying to establish an archeological field school for the next three years, devoted to excavating other sites in the area.

To increase public awareness Dr. Davis placed a sign where the students were excavating, and each time visitors asked questions,

a student would quickly tell them the complete history behind the site and what they hoped to accomplish. After four weeks over 1,800 visitors dropped by, including the Honorable John MacEachern, Minister of Education for Nova Scotia.

The Canal Commission is looking for donors to help fund this initiative and with a number of organizations already on board they hope to raise \$75,900, over three years. Saint Mary's, the An Cumann — The Irish Association of Nova Scotia, The Charitable Irish Society and the Cultural Affairs Division, NS Department of Education and Culture have already financially contributed to this project.

On July 11, 1995 at a reception hosted by the Canal Commission, the students were honored with certificates of appreciation for their work. ▀

Aloha

The chance to go to an exotic place as part of a research project is a dream come true for one graduate student.

Beverly Werstiuk, a graduate Astronomy and Physics student and Dr. George Mitchell, from the Department, left for Hawaii on June 17, 1995. With Dr. Mitchell she carried out an observing project on the James Clerk Maxwell Telescope (JCMT). With a diameter of 15 meters, the JCMT is the largest telescope in the world that can detect radiation at submillimeter wavelengths. It is located on Mauna Kea, a 4,000 meter (14,000 ft) high mountain on the big island of Hawaii.

Her research project involves the study of star formation in a gas cloud in the Galaxy known as NGC 7129. Werstiuk observed emissions from certain molecules, such as carbon monoxide, in order to determine the physical properties of the gas. One of the goals was to determine the processes which compress gas clumps to a stage where they collapse to form stars.

"It certainly will be exciting at a first class facility to see how real observations are done," she said, days before she left. Besides the



Beverly Werstiuk with David Miskolezi on their honeymoon in the city of Hilo on Hawaii's island.

excitement of using first rate equipment, she got married on the island. Her fiancé, David Miskolezi, flew down to Hawaii, for this once in a lifetime opportunity and on July 20, 1995 they officially became husband and wife. ♡

Campus network goes worldwide

For the past eight months there has been a lot of silent work taking place on the University's campus network. Now, however, all that has turned into a dull roar with campus pictures, information about Saint Mary's and a detailed list of courses from each faculty and much more.

"We're putting Saint Mary's up and running on the Internet with a World Wide Web (WWW) site," says Virginia Jackson, Public Affairs Officer. With direction from Guy Noël, Vice-President, Administration, Public Affairs along with Computer Services have worked steadily to gather information, pictures and other material for Saint Mary's home page on the WWW.

Jackson, along with Colin MacMillan, Internet/Mac Analyst, and Leif Nielson, Student Assistant plan to have their work up and running by the end of the summer.

Many hours were spent looking at other university sites across Canada. The goal was to make Saint Mary's site easy to find and user friendly, while providing the type of information that visitors seek. Many departments will have a home page, describing their function, what they do, how they do it and who to contact if visitors have questions.

For those visiting the site and wanting to get a "feel" for the University, a click-on map will be available. The map will have pictures of all buildings on campus and viewers can access information about what's inside the structures by clicking on them.

"The Internet is a great step towards marketing the university worldwide," says Noël.

For those who are into graphics and pictures, and willing to wait a few minutes for the downloading time, a 60 second video about Saint Mary's will be available.

Employees will be able to find out

what is happening on campus through This Week At Saint Mary's, a weekly publication. The University's paper, *The Times* will be online, along with the alumni magazine, *The Maroon and White*. Visitors and internal members can link to external pages such as CBC Radio, Air Canada and Canadian, *The Daily News*, Maclean's, and Tourism Nova Scotia.

For sport buffs, results of weekend varsity games will be available on Monday mornings, in the near future.

A big part of the project involved using the information in the Academic Calendar. With help from the Registrar's Office the text was recoded into hypertext mark-up language (html), which makes all the information readable by any computer with an image based browser.

Ease of use was a prime concern. Take for example the Registrar's home page. A listing of the Registrar publications will be available. A three month calendar with important dates flashing will come up on the screen. Viewers can select dates for more information. Students will also be able to know what courses they need for their degree programs, course names and descriptions, the name of the professor who is teaching the course and hopefully by September, 1995, detailed course outlines.

The University started with a gopher burrow server and by the end of last year, about 1,000 people an hour peeked at the campus network.

Public Affairs and Computer Services are co-ordinating all of the information provided from the various departments. The departments play a vital role in the site's success, says Jackson. "There will be a person from each department who will be responsible for keeping their department's information up-to-date."

Take a peek at the campus network: Go under netscape, type: <http://www.stmarys.ca> ♡

Summer Renovations

The Physical Plant, as usual, is in full swing with hammers to knock down walls, paint brushes to add a new coat on a wall or house and electrical wires for new outlets.

Hard at work is Gerry Duranceau who works in the Paint Shop, Physical Plant, high on top of scaffolding at The Oaks. In four weeks he, along with three other physical plant workers, have scraped off the old paint and finished re-applying a fresh new coat to the building. Besides a new look, the back porch was replaced, a new door and some new windows were installed.

Over in the Student Centre is Keith Rendell and Maurice Barnes, both from the Carpentry Shop of the Physical Plant and Ben Slaunwhite, Electrical Shop, Physical Plant. They are hard at work dividing one room into two on the fifth floor. Adding a final touch is Maurice Barnes applying tape to the wall while Ben Slaunwhite places an electrical outlet. ♡



President's BBQ

On September 17, 1995 from 1-3 p.m.
all neighbors are invited to drop by and say hello to
Dr. Kenneth Ozmon, President of Saint Mary's and
Mrs. Elizabeth Ozmon, as part of the
11th annual President's Neighborhood Barbecue.
The BBQ will take place at
The Oaks, 5920 Gorsebrook Avenue.

Focus on Teaching

Series of Workshops and Presentations designed to help faculty face challenges in their roles as university teachers, particularly in dealing with large classes.

Topics include

- Course Design Strategies
- Lecturing Techniques for Active Learning
- Leading Effective Discussions
- Approaches to Evaluation
- Promoting Teaching Excellence

Facilitator: Graham Gibbs, Oxford Brookes University, Oxford, England.

Registration

Faculty and staff from member institutions: Free
External: \$50/session, \$125/three sessions, \$150/four sessions

This series is a co-operative venture between Dalhousie University, Mount Saint Vincent University, the Nova Scotia Agricultural College and Saint Mary's University. Workshops will be held at various campuses, please check registration brochure.

Contact at Saint Mary's:
Margaret-Ann Bennett, 420-5489



Saint Mary's
University

A course gone to the Bugs

Summer courses can be a lot of fun. Just ask the students in Dr. Gwyneth Jones' biology course. Five days a week, for seven weeks, her 14 students had the chance to study anything and everything about invertebrates, and that includes where the best place is to find them.

Finding invertebrates, animals that have no backbones or internal skeleton, is the fun part, says Dr. Jones, who especially enjoys mucking around in the ponds, streams and tidal pools with the students. The other exciting thing is watching the reaction from the students when they realize that they have found a beetle larva or a damsel fly larva about to emerge.

"It's natural history taken one step further," says Dr. Jones, about the use of field trips for the course. To many people, identifying invertebrates is difficult with the exception of the common worm. But to these students, names such as *Strongylocentrotus* (sea urchins), *Ephemeroptera* (may flies) and *Odonata* (dragon flies), have become as common as the average housefly.

"I thought studying invertebrates would be boring," says Krista Slor, 22, a fifth year Biology and Psychology major. "But with field trips, this course is more fun and relaxed than most." This is Slor's and Sherrie Wills, 20, a third year Biology and Chemistry major's, first biology field trip. "I like this course and even though I was taking it

as a pick-up course, this is really interesting," she says, wading knee deep in water in the Frog Pond, off Purcell's Cove Road.

Slowly and tentatively the students move through the water, along the edge of the pond, swaying their nets back and forth, as they try to lure invertebrates into the confines of the net. Once caught they are carefully removed and placed in jars to be examined back in the lab.



Peering intently at Jamie Slaunwhites' find is fellow student Nicole Billard. Jamie is in the process of removing the invertebrates from the dish into the jar, for further analysis back at the lab.

The best place to find the invertebrates, says Dr. Jones is to start at the beginning of vegetation, where the cattails grow. Dr. Jones and Professor Andrew Hebda, Biology Department, took the students to Sandy Cove and Point Pleasant Park, to

compare different invertebrates found in both fresh and salt water environments.

"To me what is amazing are fast, flowing streams. You can move one rock and find hundreds of living creatures," says Dr. Jones. This is the first time the course, taught by Dr. Jones, has been available for students in the summer, but she says it makes perfect sense. Field trips allow the students to see the invertebrates in their many habitats and then they have the chance to examine them back in the lab.

The students had to collect 25 invertebrates per habitat as part of their collection and write-up assignment. With a few of the classes devoted to field trips the students also spend two hours each class in the lab. □

The Cuban Experience



Pictured left to right: Jan Jones, 21, with her daughter Kristen Luinstra, who went to Cuba for the first time, John Owen, a part-time student who went to Cuba for the second year, Dr. Henry Veltmeyer, IDS Department, Maria Yax and Paulo Eusebio, an IDS student.

For the second year, 16 students spent two weeks in Cuba as part of their International Development Studies (IDS) course.

For many students, the trip provided them with the opportunity to experience "hands on" what life was like in a foreign country.

The course, "The Cuban Model of Development," involved a pre-reading session concerning the history behind Cuba's revolution, one week of classes with briefings at the University, two weeks of intensive study tours with site visits to key areas around Cuba and finally a library research project, which will take the students about three weeks to complete. Undergraduates received full-credit for the course, while graduates received half-credit.

"This is the only economy still committed to socialism, and it has particular academic interest," says Dr. Henry Veltmeyer, IDS, and co-ordinator of the Cuban course.

Dr. Veltmeyer was quick to point out that life in Cuba has been difficult, but people are slowly starting to find life easier. With the collapse of the

Soviet Union in 1989, Cuba lost 85 per cent of its trade links and with the United States trade embargo still in place, the small island economy has been hit especially hard. "But, it's clear the worse is over," he says.

That sentiment was echoed by John Owen, a part-time student in the IDS program, who is a farmer. This was Owen's second trip to Cuba and he was quick to note the differences.

"To my mind things are better, people look better, streets look better and this year people had fuel," he says, to a group of people who crowded into the International Education Centre to hear the students talk about their trip to Cuba.

Owen was interested in the farmers in Cuba and spent most of his time in the rural

areas. For him, the perception is that Cubans have weathered the storm, the worse is over and they have survived. The one negative thing was that there were a lot more police visible around the city.

"Last year, people in the country all complained. This year, they hardly complained at all. Everyone was happy. There are problems, yes — not enough food — but on the whole they are happy to be survivors," he says.

Dr. Julia Sagebien, Marketing Department, also spoke about Cuba's economy. "One big contrast is that Havana's sense of stability differs from Mexico City's," she says. Cuba lost 80 per cent of their trade market, but this year had 0.7 per cent growth. The economy is improving because Cuba has gone out of its way to create joint ventures with the Spanish, French, Mexicans and Canadians, and they have legalized American money.

Dr. Sagebien expressed concern that with the end of the acceptance of exiles in

the US, summer would become a boiling point for Cubans, as many would try to leave the country.

"It was great. It had been my dream to go to Cuba when

I was young," says Maria Yax, an IDS student from Guatemala. Growing up in Guatemala, she was not allowed to talk about communism or Fidel Castro. "There's a lot of solidarity between Cuba and Guatemala," she says.

One of the big differences for Yax was seeing children in school, whereas in Guatemala they would be forced to work to earn money.

"People are very patriotic. Even though times are tough they know what they want and don't want to be dominated, and they will fight for this," she says.

Yax celebrated her 30th birthday in Cuba and it will always be a special memory for her. □

Former member of the Board of Governors dies

Maurice E. Keating, 89, a former school superintendent died July 29, 1995 in St. Vincent's Guest House. Born in Halifax, Keating received his Bachelor of Arts in 1927, his Master of Arts in 1928 and his LLB in 1931 from Dalhousie University. Keating began his teaching career at St. Patrick's Boy's School in 1933 and in 1942 he was appointed assistant to the supervisor of schools. In 1955 he became assistant supervisor of schools and in 1962 the superintendent of schools. He also held the position as special lecturer in education at Saint Mary's University. He belonged to numerous groups including the Halifax Teachers' Union, member of the Canadian Teachers' Federation, Canadian Association of School Administrators and honorary life member of the Canadian Education Association. In 1957 he received his honorary Doctor of Laws from Saint Mary's and in 1967 the Centennial medal for valuable service to the nation. He was also a Saint Mary's Board of Governor. Service was held on August 1, 1995 at St. Agnes Church.

The link between sex and money

by Renee Field

What motivates women into the sex trade industry and what are the differences between the industry in Canada and the Philippines? Those are two questions that Dr. Edna Keeble, Political Science Department at Saint Mary's and Dr. Meredith Ralston, who is an Assistant Professor in the Women's Studies Department at Mount Saint Vincent University, hope to uncover as part of their collaborative research project.

"Organizing for Change in the Sex Trade Industry: A Comparative Analysis of Sex Trade Workers in Canada and the Philippines," is the title of their research project. Dr. Keeble is the co-investigator, while Dr. Ralston, who completed her PhD thesis on homeless women, including sex trade workers in the Halifax area is the primary investigator.

Taking the feminist approach, both researchers stress that they want the women to tell their stories, and they have no predisposition towards what they might say. This is an opportunity to give voice to people who are often marginalized.

"The reason why women go into this industry is because of physical or emotional neglect, but in the third world it's linked to the money trade," says Dr. Keeble.

Part of their research involves examining what agencies are out there to provide help for these women. Stepping Stone, in Halifax, is a prime example of an agency geared to provide for the needs of these women, whereas both professors are not sure of what to expect from the agencies in the Philippines.

"We are looking at five main groups including the State, the international political economy, the men themselves as clients and pimps, government officials, non-government organizations working with the women and the sex-trade workers themselves. What we are trying to establish is the interconnection of race, class and the sexual oppression the workers face. For example, many sex tourists believe the notion that Asian women are more compliant, or more sexual compared to Western women and this represents the racial aspect; the economic dependence and poverty of the workers represents the class aspect," says Dr. Ralston.

Both researchers are anxious to find out first hand whether or not the sex trade in the Philippines is legalized. "The government has given a lot of lip service to addressing this issue," she says. With the need for foreign currency, which is gen-

erated primarily from the profits of the tourism industry a direct correlation between tourism and the sex trade, can be concluded. Tourism has been targeted as an important industry, in fact by the 1970's it was the fourth largest source of foreign exchange, bringing in over \$300 million American dollars to the country. While government officials claim that the sex trade industry is illegal, they do nothing to stop it and some say they openly encourage the operations.



Dr. Edna Keeble

An example of this in the Philippines is the United States Subic Bay Naval Base, which is closed. While city officials claim that it is a rest and recreation industry, it is clear from the number of city ordinances, organized prostitution exists, even after the closure of the naval base. "For example, the city government maintains and operates a social hygiene clinic which certifies whether or not an entertainer is free from VD or other communicable diseases," says a report on tourism workshops, published by the Christian Conference of Asia.

It is clear that women placed in these predicaments get less than an equal share of the profits. Whereas a man will pay \$60 for one night with a woman, the woman receives less than \$4.25 from the sale, after the club owners, tour operators and local guides take their share.

"Women don't benefit so much as we think and with my background in International relations that's interesting," says Dr. Keeble.

Dr. Keeble and Dr. Ralston will be in the Philippines for two weeks, from August 1-18, 1995. They picked the Philippines over Thailand and Korea, because of Dr. Keeble's Filipino background and connections to a number of US Filipino communities.

Before heading to the Philippines, Dr. Keeble will stop in Chicago, to talk to a number of Filipino community leaders. They have already informed her that they are anxious to support the research project financially.

Also as part of their work, both researchers will keep daily journals, to compare how different government officials react to them and to record their impressions of the women being interviewed. Dr. Ralston is also planning to produce a film about their research, as another medium for the women to express themselves through. ♡

This is an opportunity to give voice to people who are often marginalized.

Hitting a Home Run

Re-discovering Maritime baseball

by Renee Field

To many Maritimers, baseball has its roots in the United States, whereas Canada lays claim to hockey. But the myth that baseball only grew out of small US towns was recently shaken, by a new book that examines the impact of baseball on the Maritime provinces.

Dr. Colin Howell, History Department at Saint Mary's, launched his book, *Northern Sandlots: A Social History of Maritime Baseball*, on June 9, 1995 to a group of about 65 friends, colleagues and baseball enthusiasts in the Saint Mary's Art Gallery.

His book, which took close to six years to research, outlines in detail a part of Maritime past, long forgotten by many. He chronicles the rise of baseball on the northeast coast of North America, beginning with how the sport was viewed by 19th century bourgeoisie, to its gradual decline by the mid-20th century.

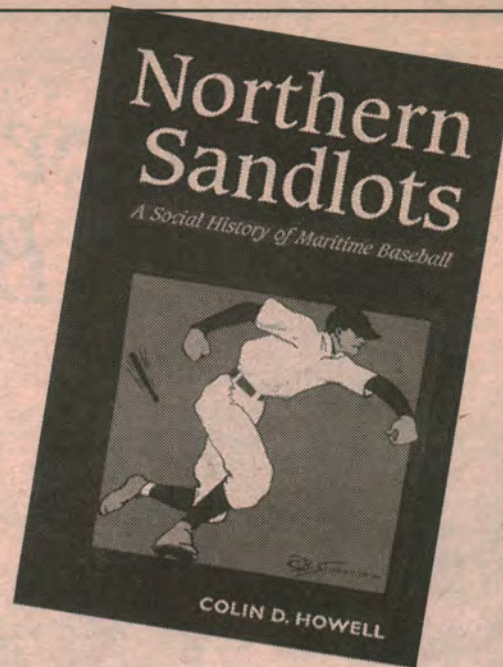
When baseball first began in the early 1860's, the game was scrutinized by educational reformers, who wanted to know what social purpose the sport played, how much leisure time should it occupy and how it could be used for moral reform. Issues such as ethnicity, gender, race and class also seemed to get caught up with the development of the sport.

"From the game's earliest days in the 1860's and 1870's, in which baseball was being molded by Evangelical reformers to inculcate appropriate notions of manliness and respectability amongst youthful members of the bourgeoisie, people from working-class backgrounds were being drawn to baseball for their own purposes," writes Dr. Howell.

Women's role in the evolution of baseball is almost non-existent, mainly because the sport represented the patriarchal idea that baseball was man's territory. Throughout the book he writes about how baseball endorsed the idea of masculinity, while at the same time ensuring that women never felt comfortable in the baseball environment, except in the stands.

This is a book that also details how promoters, gamblers and entrepreneurs were attracted to the sport. From the beginning there was tension over how social reformers viewed the sport as a way to morally rehabilitate people, while many people recognized the game's potential as a marketable commodity.

By the 1920's baseball emerged as the symbol of community and regional identity. There were well established coach, players and teams from New England, who competed against New Brunswick and Nova Scotia teams in yearly competitions. But, by



the end of the 1950's, baseball was in decline as a community-level sport and the link between New England and the Maritimes was gradually severed.

A highlight of the book is the photographs that chart the early course of baseball with pictures of the all-women's Chicago Blackstockings touring team in New Brunswick, 1891; the Fredericton Tartars baseball team, 1899; the Halifax Resolutes, 1900; the Halifax Coloured Diamonds, 1925; one of the early pictures of a group of native people playing baseball at Bear River, Nova Scotia, in 1939; and Babe Ruth giving a hitting exhibition at the Wanderers Grounds, Halifax, 1942.

Through his research, Dr. Howell discovered a Nova Scotia connection to Babe Ruth, baseball's greatest player. When Ruth was growing up he spent a lot of his childhood at the Saint Mary's Industrial Reform School for Boys. The school was run by the Xavier brothers and in his memory he attributes his success as a person and great baseball player to Brother Matthias, who was from Lingan, Cape Breton. "So there is a NS connection to baseball's famous player," says Dr. Howell.

With a three year \$27,000 Social Sciences and Humanities Research Council of Canada grant and funding from the Social Science Foundation of Canada, Dr. Howell was able to hire a number of graduate students to help him with his research. A lot of his time was spent going through old newspapers and conducting interviews with former baseball players including natives and African-Canadians.

Dr. Howell experienced a number of major set-backs while working on the book. In 1991, he lost his house in a fire while in Boston and his brother had to scramble out of the building carrying his computer in his arms. He lost most of his notes, but thanks to friends, colleagues and students at Saint Mary's he was able to salvage enough information to continue the project. In the midst of his research his father died, after fighting a long, five year battle with cancer. This book is dedicated to his father's memory.

Northern Sandlots: A Social History of Maritime Baseball, is available at local bookstores and the Saint Mary's bookstore on campus for \$18.95. ♡

Equipment geared for space frenzy

New computer equipment has the faculty in the Astronomy and Physics Department grinning from ear to ear. And why not? This is the first major equipment grant the department requested, and they were thrilled to hear that the Natural Sciences and Engineering Research Council of Canada (NSERC) approved their application, in May of this year.

"A lot of astronomy today is not eyeballs to telescopes, it's trying to understand what is happening in space and typically that involves computer programs and models," says David Lane, Technician, Astronomy and Physics Department.

For most of the summer, Lane's job is to configure the four new UNIX-based SPARC stations. Currently the department has six work stations and this will bring the total to 10. One of the new machines is the University's first multi-processor, capable of high speed computing. Two of the SPARC stations will be used as servers for the entire department and students.

"It's a very nice shot in the arm for our department," says Dr. David Clarke, Astronomy and Physics Department, who placed the request to NSERC for \$86,000 worth of equipment. Faster computers allow for speedier computational results.

Previously, students had to have accounts on faculty members' computers to gain access to the department's most powerful machines. But even these would grind to a slow crawl with only a few intensive users. Now, with more SPARC stations and 486 PC's, there are seven work stations available to undergraduate and graduate students working on research projects.

With the new computer stations, the faculty are migrating their software to the new

central server to ensure that everyone is using the most current version of the applications. Upgrading software is time consuming, and because the department can't be shut down for any length of time, Lane first has to get the new computers up and running and then slowly move from computer to computer to upgrade each operating system and bring it on the network.

Looking at one of the new pieces of equipment, nick-named the "pizza box" because of its shape, it's hard to realize that this one box is worth about \$33,000. But, this one box is the multi-processor unit, with 128 megabytes of central memory.

There was a definite need for new software and faster computers. When you consider that many astronomers and physicists use computer models to investigate particles generated inside the Sun, or the life span of a single galaxy, slow computers make for even slower results.

Besides getting the new computers online, the department is also revamping their wiring for the campus network. With cooperation from Computer Services and the Physical Plant departments, a new computer network is being created, allowing the department to maintain its own separate campus network. "The data flow will be a lot faster," says Lane. The department will have more control over their network and they will provide their own technical support and maintenance. Recently the department's campus network was down for a weekend, creating chaos for many professors. With a new computer infrastructure in place by the end of the summer, they hope to avoid those problems in the future. ♡

Understanding the disparity of developing nations

The harsh boundaries that separate the industrialized from the pre-industrial world, the developed from the developing and the rich from the poor countries are examined in a new International Development Studies (IDS) book.

The book, *Development Distance Between Nations*, is co-authored by Drs. Surendra Patel and Krishna Ahooja-Patel, both IDS professors at Saint Mary's and Mahesh Patel, Senior Program Officer, Eastern and Southern African Regional Office of UNICEF.

The book is written in a series of essays and offers hope that the elimination of the different levels between poor and rich countries can be accomplished within one life span. While the authors had to be persuaded to have their work collaboratively put together, the result makes for highly interesting reading.

Since the 1980's the Southern countries have faced both difficult economic and social crises with declining exports, rising debt, heavy debt servicing, and the need to borrow more from international financial institutions. In the first chapter, Dr. Surendra Patel makes the point that mankind has always spent most of its energy surviving,

finding food, shelter and clothing. "Over the last century, however, the per capita real income in the countries now called industrially advanced, has risen seven-to-ten fold. In the process the age-old affliction of poverty was swept away from the centre to the fringe," she writes.

How did this economic distance evolve? How long has the process taken? How can it be bridged? These are questions that the authors researched and they need to be addressed today, before it is too late, they write.

The development record of countries in the South should not go unnoticed. Beginning in the 1950's and continuing for the next 30 years, the average overall output annually increased 4.7 times. However, with the world's economic change, there was a sharp decline in the gross domestic product from the South, by the 1980's. The authors argue that developed countries should consider the South's economic growth and the size of its population in relation to the North's population, as a developed country from the 19th century.

The book will be used as a supplementary text book for IDS courses at Saint Mary's and Dalhousie universities. ♡

At the tone please leave a message

"ELVIS HAS LEFT THE BUILDING," IS NOT AN ACCEPTABLE VOICE MAIL LOG-OFF IN THIS DEPARTMENT.



Since the University started with voice mail two years ago, most people have praised the technology as extremely useful.

Today there are over 400 users in the system. "In all 94 per cent of those eligible for system access have signed up," says Cathy Mason, Telecom Co-ordinator for the system. A lot of part-time professors and library workers share phones, making voice mail almost impossible to use. Currently, the University is looking at ways to include these groups sometime in the future.

"The main purpose of this system was for people to stop playing telephone tag. Now a person can call someone and ask them a question on voice mail, when they are unavailable," says Mason.

Being in charge of the system can have its horrifying moments, like when the system went down in July, 1994 or how about the time a hacker, who turned out to be a drug dealer from the United States, broke into the system and used a professor's number to call Columbia. "I would like to ensure system users that although we did have an intruder in the voice mail, the avenue in which he entered has now been completely blocked. This incident should never happen again," she says. The system is also equipped if the power fails, with a six hour battery backup.

A 12 inch black box, handles about 2,800 calls a day and that's the place where all those voice mail messages end up. The telephone room, located in the basement of the McNally building has about 7,000 pair of wires travelling into it from the street. A weekly back-up is done to help insure that all the lines are free.

Mason has heard a number of voice mail messages, and while many have made her laugh, some can be frustrating for users. She offers some useful tips: it's not necessary to leave a voice mail greeting saying you're on the phone, the system will do this automatically for you; ideally a voice greeting should be short and dated, but for a general message a date is not necessary; when going on vacation be sure to tell the caller when you will be back in the office, and who to contact in the meantime and always return messages. ♡

Australia bound

A Saint Mary's professor has been named as the new Director of the Community Health Psychology graduate program for the University of Southern Queensland, in Australia.

Dr. Grace Pretty, Psychology Department, left Canada on July 20, 1995 for a three-year leave of absence from the University. She has the enormous task of setting up the first graduate community psychology program for the State of Queensland.

"It's both very exciting and anxiety provoking to go to something unknown, but a



Dr. Grace Pretty, Psychology Department, is the new Director of the Community Health Psychology graduate program for the University of Southern Queensland, Australia.

great opportunity," she says.

The new graduate level program will look at ways to prevent mental health problems. A key component will be teaching young adults in high schools how to deal with stress through stress management techniques, and how to recognize signs of mental health problems, such as increased high blood pressure, migraines and depression. "The focus (of the program) is to educate and set up early prevention programs in community sites such as neighbourhoods, the work place and education sites," she says.

With an estimated enrolment figure of about 25 graduate students, Dr. Pretty will have the chance to see the first class graduate after three years.

Last year, as part of her research program she was at the University of Arizona in Tucson, United States, which had a campus population of about 35,000 people. The University of Southern Queensland is about the same size as Saint Mary's and she says, "I feel more comfortable going there. I prefer smaller university environments." Dr. Pretty's research focuses on the psychological aspects of community and organizations, and how they relate to mental health.

As Director of the new program she will also be teaching some courses. Besides taking on this new challenge, she is looking forward to spending some time pursuing her hobby, as an equestrian. ♡

Dunk Fest Success



What a great way to spend a sunny lunch hour. Dunk Fest '95 turned out to be a huge success with over 50 staff members attending to fundraise for a good cause—the Metro Food Bank. About \$100 was raised for the food bank, along with two food boxes for donation. Thanks to all our volunteers who added to the pleasure of this event. They included Daniel Stone, Director, Personnel Services, Ken Anderson, Manager, Physical Plant, Don Keleher, Director, University Advancement, Keith Hotchkiss, Director, Student Services, Larry Uteck, Acting Director, Athletics and Head Football Coach, Roberto Hernandez, Summer Student, Physical Plant, Steve Hines, Athletics and Recreation. Pictured here is Keith Hotchkiss, Director, Student Services all wet, thanks to a fast one by Barry Gallant, Alumni Officer. ♡

New Athletics' Director

Larry Uteck, Saint Mary's Head Football Coach for the Huskies has been appointed interim Director of Athletics and Recreation for a one-year term effective July 10, 1995. Uteck is well-known around the campus and community and as a Halifax City Alderman of Ward One. Over the last 13 seasons he has had the most wins of any current coach in the AUAA, with 64 wins, seven AUAA championships and three Vanier Cup appearances.

Uteck replaces Dr. Susan Natrass who had been the Director since 1990. Dr. Natrass resigned to pursue on a full-time basis her Olympic quest in trap-shooting. ♡

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Saint Mary's
University

Mini University

This year 56 students, ranging from ages nine to 15 are participating in Saint Mary's mini university program. It's a chance for many of them to discover what a university campus looks like. Monday to Friday from 9 a.m. to 4 p.m. they attend classes on geography, computers, marketing and finance, creative writing and physical education. Three students are from New Glasgow, while the majority came from the Halifax, Dartmouth, Bedford and Sackville area. Amy Parsons, 12, from Sackville decided to come to mini university for the business course. Amy is hearing impaired, but with the aid of two interpreters she will have ample opportunity during the program to learn about finance and to meet some new friends. ♡



Walk this way



Ready and waiting to walk, from left to right: Kim Squires, Manager, Personnel Services, Donna Filek, Secretary, Dean of Commerce, Kathy Mullane, Anne Mussett, Director, Alumni Office, Lois Wasteneys, Administrative Director, CMA program and Janet White.

The key word to this group is Tower. They either meet at it, walk on it, around it, or past it. Their numbers may be small but the idea is contagious. Kathy Mullane, Intramural Co-ordinator at the Tower, is happy with the turnout.

"Our numbers may be small but we have a lot of enthusiasm and more people are joining us each week. It's good to see other Saint Mary's staff members walking. If they want to walk their own route, that's great. The main idea is just to get out of your office and walk during your lunch break," she says.

Too many staff members eat lunch at their desks and remain inside during the fall and winter. The idea for this walking group is to get people outside to enjoy the summer weather.

One of the groups that you might pass or see walking along Tower Road call themselves the Tower to Tower Walkers. These walkers meet every week day, weather permitting at 12:15 p.m. at The Tower. They walk down Tower Road, around Point Pleasant Park, past the Martello Tower and back to the University. The route takes about 40 minutes.

The group plans to continue walking this fall. The numbers vary each week, though there are walkers like Janet White, Secretary, Biology Department, who have hardly missed a walk.

Mullane hopes to develop a charting system, where each member can record their miles and maybe win certain prizes for a given number of miles. ♡

Provo survives first cuts

Who says that when you graduate the learning process stops? Dwayne Provo is still studying, still carrying books and still working hard.

Dwayne was recently in Halifax for a short break between Rookie camp and full-fledged training camp with the New England Patriots football team. But he wasn't home for a vacation. The training continues every day, with running, weights, and sit-ups, that are all part of his daily routine. The sacrifice is a small price to pay for the opportunity to play professional football.

"I work hard every day and I am careful about taking care of myself. I cannot afford to slip or pull a muscle at this point," he says.

Provo's caution is due to a report out of Ottawa, Ontario on Tom Fleet, who graduated with his Bachelor of Commerce this year from Saint Mary's, and who attended Rookie camp for the Ottawa Rough Riders. Fleet had the misfortune of slipping and he "blew out" his knee during a practice.

"Don't let anyone tell you that once you make it to rookie camp that you have made it," says Provo, adding "This is where the real work begins."

The daily routine at Rookie camp consists of eight hour days filled with workouts, testing and on-field scrimmages. Provo said that he tried to enjoy the off-hours but there weren't many of them, and besides, he had to spend that time preparing for the next day. Once regular training camp begins, the training will be stretched to 12 hours a day.

To lengthen his stay with the Patriots, Provo estimates that he must beat out two draft picks for the corner-back position. Knowing this is going to be a difficult feat, he remains optimistic about his chances.

Camp started on July 17, 1995, and that's "When the real work begins," says Provo. "Every day that you are still on the roster is a bonus. I will work as hard, or harder than I ever have before." ♡

Volleyball camp reaches new height in popularity

Last year, the volleyball camp consisted of nine players, three instructors and a three-day session. Expanding the camp to five days was a smart move by Lori Welsh-Hawley, Volleyball Coach. This year over 30 players have registered for the camp, which begins August 21, 1995.

Players will be evaluated and divided by skill level and age. The camp is designed for players aged 13 to 18 years. Each group will be matched with an instructor, who will refine old skills and teach new ones. Classes will run from 9 a.m. to 5 p.m. daily.

Before leaving the camp, each player will have an individualized player profile which indicates their strengths and areas in which they should spend time developing. The camp also serves as an excellent warm up and shape-up for the beginning of the season for both players and instructors.

High school volleyball begins as soon as school starts, which is in contrast to the university players who will have to wait until October 1, 1995 before officially hitting the courts. The AUAA Conference is the only conference to begin as late as October. Canadian universities outside of the AUAA jurisdiction begin volleyball try-outs September 1, 1995, meaning the Atlantic players have a shorter season.

Most of the varsity team will be present during the camp, to help out and to check out their future teammates and possible competition. Over the last 10 years, volleyball has risen in profile around the world. Much of this awareness can be attributed to the popular beach volleyball tournaments that are popping up all over the place.

Beach volleyball is more difficult than regular volleyball, because it is played with two members per side on a full-sized court, usually outdoors. The courts at the Halifax International Airport Motel have been modified and have been very popular this summer. ♡

This year's coaches

Coach	Years	Record
Men's Soccer — Stewart Galloway,	3	8-2-2, 2nd in AUAA
Women's Soccer — Linda Whitehead,	3	3-4-3, 4th in AUAA
Fieldhockey — Sharon Rajaraman,	3	4-2-2, 2nd in AUAA
Football — Larry Uteck,	12	6-2, 1st in AUAA
Men's Basketball — Ross Quakenbush,	5	1992-93, 20/11 CIAU runner-up
Women's Basketball — Jill Healy,	8	11-9, 5th in AUAA
Volleyball — Lori Welsh-Hawley,	1	10-6, 4th in AUAA
Hockey — Paul Boutilier,	2	10-15-1, 3rd in AUAA