



Saint Mary's Times

Saint Mary's University, Halifax Nova Scotia

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Cosmic blast

David Lane of the Department of Astronomy and Physics, talks about the comet that hit Jupiter this month.

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Saint Mary's gets \$3 million

Infrastructure funds will help rebuild Rice Residence



Alberto Escamilla, meets Dr. Scott Carson, Dean of Commerce, for the first time.

Saint Mary's was awarded \$3 million, from the Federal and Provincial governments, as part of an \$11 million university infrastructure project, announced on June 27, 1994.

"We are extremely pleased to receive this funding and it will certainly go to good use," says Dr. Kenneth Ozmon, President of Saint Mary's, who was one of several university

representatives at the news conference.

"I believe this shows that the government has renewed interest in this region," says the Honourable David Dingwall,

Minister of Public Works and Government Services and Minister for the Atlantic Canada Opportunities Agency.

Mary Clancy, Member of Parliament (MP) for Halifax, Ron MacDonald, MP for Dartmouth, Geoff Regan, MP for Halifax West and the Honourable Sandy Jolly, Nova Scotia Minister of Municipal Affairs were also on hand for the announcement.

The governments in an attempt to recognize the important role universities play in Nova Scotia, while realizing the limited budgets available to run universities, has set aside a portion of the Canada/Nova Scotia Infrastructure Works funding, for special university infrastructure projects.

In total Saint Mary's and Mount Saint Vincent University received the most funding, \$3 million, with the condition that each university would contribute one million dollars. Of the total \$11 million, the provincial and federal governments will fund a total of \$7.3 million, with the remaining one-third of the money supplied by the universities. In the short term 160 jobs will be created through the university infrastructure project.

"I think the Department of Education and the government have been working quite closely on this process," says Jolly. "The money that Saint Mary's is going to receive will especially help them with the problems they have had over the past year," she says.

Monies that Saint Mary's will receive will help cover the costs of the Rice Residence renovations. Students were

Mexican student arrives

Bienvenidos a la universidad Saint Mary's

The sun constantly shines for Alberto Escamilla, Saint Mary's first Mexican exchange student. Not only is his optimism contagious, but his enthusiasm about the University and what it has to offer other students can't be missed.

While he might appear quiet and shy to his fellow summer students in the departments of finance and marketing, this is a man who after one week in Nova Scotia set out to introduce himself to every business in the World Trade Centre and who recently met with business guru, Sam Gur, President of DynaTek Automation Systems Inc.

Alberto, 22, is in his 4th year of a Commerce degree at ITAM in Mexico City. Executive of inter-university relations for Asociacion de empresarios, ITAM, he jumped at the opportunity to attend Saint Mary's.

"I knew in Mexico, Saint
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24-HOUR RELAY

This year annual Labatt 24 Hour Relay at Saint Mary's raised \$339,691 for the Abilities Foundation. Over 2,000 volunteers helped to make Saturday's race fun and successful. The Wizard of Oz-24 Hour Relay Team, under the guidance of Ken Anderson, captain, raised \$4,404.75.

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Around campus

Jerusalem Plaque awarded

Dr. Kenneth Ozmon, left, chairman of the Nova Scotia Human Rights Commission and President of Saint Mary's University, was presented with the Jerusalem Plaque by the Atlantic Jewish Council and Canadian Zionist Federation at a ceremony at Shaar Shalom Synagogue. Along with members of the Halifax Jewish community, Dr. Ozmon heard 12 Nova Scotia teens relate their experience on the recent March of the Living, to commemorate the Holocaust. Halifax residents Craig Silverman and Ann Raskin tell him about their trip while Larry Freeman, right, chairman of the Atlantic Jewish Council, looks on.



Robert Smith/Clark, Photographs

Retirement party

After close to 20 years Geraldine Elizabeth Levandier, general worker light, of the Physical Plant Department retired on June 30. A day worker for the Patrick Power Library, she plans to "relax for awhile and spoil herself a bit." Pictured here, Daniel Stone, Director of Personnel Services, presents her with a gift for all the hard



work she put into making the University a success.

Disabilities discussions

Community Services Minister, Jim Smith, (middle), met with Saint Mary's students; (l to r): Marjorie McGarvie, 1st year Arts, Andrew Fuller, 3rd year Arts, and Matthew LeBlanc, 2nd year Arts. The Minister met with Dr. David Leitch, Director of the Atlantic



Centre and the Government Corporate Affairs Committee of the Board of Governors to discuss ways to improve services for persons with disabilities.

Golden Sneaker Award

For the third year, Physical Plant won the Golden Sneaker Award, with a participation rate of 59.7 per cent. Pictured above: Phil MacDonald, Hvac Technician, Physical Plant accepts the award on



behalf of the department and Helen Burns, chair of Sneaker Day and member of the Wellness Committee.



Wizards of Oz fundraiser

Over \$500 was raised during a barbecue fundraiser, which was hosted by the Wizards of Oz 24-Hour Relay Team. All proceeds for the event will go to the Abilities Foundation on Nova Scotia. (l to r): Ray Wincey, Acadia Chef; Dalton Mather, Food Services; Keith Hotchkiss, Student Services; Kim Squires, Personnel Services and Ellen Flood, Physical Plant.

Mexican exchange student

From page 1

Mary's was a good university, because our Dean of Commerce from Mexico came to Halifax. Plus I heard that the business school was better here," says Alberto, who had a chance to attend universities in the United States, Quebec and Ontario.

Saint Mary's along with 14 other universities, five in Canada, five in the US and five in Mexico make up the consortium called 'Educating New Professionals for the North American Common Market' for commerce students. The goal is to help forge links between parallel departments and faculty members in the US, Canada and Mexico. This project is part of a continuous program that began in 1992 with 15 engineering schools (now 21-25 engineering schools are involved), 15 business schools are expected to join in year two and 15 environmental studies programs are expected in year three.

The exchange students are given the opportunity to

experience a different culture, learn finance from other countries perspectives and network with new business communities.

"A global economy is the future of business," says Alberto, who thinks that the North Atlantic Free Trade Agreement will not only help Mexico, but Canada as well.

Adjusting to Nova Scotia's temperatures is one thing, but for Alberto, who lives in a city of 20 million people, the open space, nature and services that Halifax has to offer, overwhelmed him. "I chose Halifax because it's not a big city and the people are more friendly here," he says.

"The teachers are very good here and they worry about you. If you miss a class they call you. They are more like a friend to me than instructors," says Alberto, who's finding out just how intense summer courses really are at the University. Once his summer courses are over at the end of June, Alberto is hoping to have the chance to explore more of the scenic places around Nova

Scotia and other parts of Canada.

In September seven other Mexican exchange students will be attending the University, while two Saint Mary's students attend school in Mexico.



Doreen Chalmers, a member of the Quilt '94 Conference stands in front of 'Joseph's Coat of Many Colors' by Jane Lynne Hooper, which was one of the many quilts on display throughout the week long conference.

University gets \$3 million grant

From page 1

moved from the 22 year-old residence in January 1994, when renovations uncovered problems with the brick face of the building. Crews have been working full-time on the residence to ensure accommodations for the students will be ready by September.

"Funding to cover renovations is greatly appreciated, especially since the repairs had to be done to ensure the safety of the



(l to r): E. J. Flinn, QC Chair, Board of Governors at Saint Mary's University; Mary Clancy, MP for Halifax; David Dingwall, Minister of Public Works and Government Services; Dr. Kenneth Ozmon, President of Saint Mary's and Sandy Jolly, Nova Scotia Minister of Municipal Affairs.

students," says Dr. Ozmon, adding "With universities having to constantly economize, this infrastructure project will not only help universities in Nova Scotia, but the thousands of people who attend them each year."

Metro Economic Summit planned

Dr. Kenneth Ozmon, President, Saint Mary's University and Mr. Don MacKinnon, Vice-President, Sales and Marketing, Farmer's Co-operative Dairy Ltd were appointed co-chair of the Steering Committee, for the second Metro Economic Summit, on June 6, 1994.

Dr. Ozmon and Mr. MacKinnon will initiate a series of roundtable meetings with core sectors to gather private sector input and to begin planning for the second Metro Economic Summit. The roundtable groups will include such sectors as tourism, education, ocean industries, financial services, environmental, transportation, health and communications.

Recommendations from the first Metro Economic Summit called for a community development program which would be driven by the private sector.

Acting Dean of Education appointed

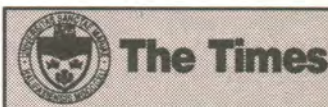
Dr. Michael Larsen has been appointed Acting Dean of Education. As Acting Dean of Education, Dr. Larsen plans to ensure that the Faculty of Education maintains a strong focus for the up-coming academic year. "For the coming year, I intend to work closely with members of the faculty of Education to continue our long tradition of excellence in the various Education programs we offer, which includes meeting the significant needs for continuing professional development opportunities for teachers in the province. As well, I will work with the faculty to cope with the challenges that face us as a result of the rationalization process currently underway," says Dr. Larsen. Currently Dr. Larsen is entering his sixth academic year as Dean of Arts.

Quilt Canada '94 conference

With people from almost every province in Canada and countries like Kenya, Australia and England, Saint Mary's was the focal point for the Quilt Canada '94 conference held from May 31 - June 5.

Over 250 full-time delegates and approximately 100 day students participated in the conference, which is held every ten years.

"The University has been wonderful," says Cheryl Hughes, who came all the way from West Sussex, England for the conference. With a dozen or more exhibitors, work shops and special events held each day, delegates enjoyed having the flexibility that Saint Mary's offered them. "It's really nice that the University is close to the centre of town. It's allowed me the freedom to visit family and friends," says Karen Annis, from Sudbury, Ontario.



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Entered in Moosehead Grand Prix

Commerce student aims at car racing career

By Renee Field

While most seven year-olds would love to spend a day at the track watching go-carts race at 70 kilometres per hour, few would ever dream of actually sitting in the drivers seat and racing. But, that's exactly what Daryl Mahar did until he turned 16 and was old enough to get his beginners license.

"I was out growing go-carts by the time I turned 15 and with your butt an inch and a half off the ground, it was nice to sit in a race car," says Daryl, who's entering his second year of Commerce at Saint Mary's.

Under the guidance of his father, who raced most of his life, Daryl learned everything he could about go-cart racing; checking your equipment, speed and the wonders of reflex action. Up to the end of last year Daryl's family raced as a team, with his parents actively encouraging him and his sister, Denise (who raced until last year) to compete.

"The whole family would go Saturday and Sunday camping and racing," says Daryl. With



(l to r): Daryl Mahar, Allie May, Denise Mahar, Jamie Baker, Cheryl Baker, Linda Mahar, Scott Melanson, Don Mahar and Steve Breed with the two GT-2 race cars.

only two go-cart tracks in Nova Scotia, one at the International Airport and one in Shubenacadie, Daryl spent a lot of his time competing in events in PEI, Quebec, Ontario and Florida. But the step from go-cart racing to becoming a professional racer isn't easy. First, Daryl had to get an international road race license from Ontario. Then he had to learn how to drive a race car and more important how to maintain it. Now driving a Mazda RX7, for the Tim Horton's Racing Team, Daryl is more determined than ever to be competitive. "In our first race with the Mazda RX7, the engine overheated and the motor blew. Luckily we had a spare one, so we had to bolt it in and continued racing somewhat at a disadvantage, since the new engine produced only 120 horsepower. That's the

difference between going 170 km-h and 240 km-h," he says. Things like this happen in the race world — new engines blow,

“When I graduate I'll have the formal education and skills to develop my racing career.”

tires explode and cars crash into each other.

Two years ago while racing in a practice run for the Moosehead Grand Prix, Daryl hit a wall head-on at 130 km-h. He walked away from the crash uninjured, determined to fix his car and win

the next day. "We worked on that car for 24 hours to fix it up. We even had to put on a new body, but we got it fixed and ready for the race the next day," he says. Starting in last position, Daryl raced like he never did before, and in the end he became the youngest driver to win for the Improved Touring (IT)/B class, at the age of 17. Again, last year he won for the IT/B class as the youngest driver competing.

Racers in the IT class can use a streetcar and the class is broken into two categories, which compares the ratio of vehicle weight to horsepower. The Grand Touring (GT) class, which Daryl races in, is designed for cars built inside and out by race car builders. Daryl's car which cost more than \$40,000 to build is specially designed for this class. Built to fit Daryl's body, there's not much else in the car, except all kinds of gadgets, but no speedometer, and tires that have had the treads smoothed down. Five safety harnesses hold him in place, with two straps around his chest, two around his waist and one for his legs. There's one red button in the car, that once hit automatically sets off the fire prevention system, designed with three nozzles — one for the hood, engine and the driver.

Besides racing, Daryl bakes for Tim Horton's. So after baking all day with an oven at 360 degrees Fahrenheit, Daryl suits up to race in a car that can easily get up to

100 C on a hot day. Besides the heat inside the car, he has to step into a three-layered suit, complete with fireproof socks, underwear and helmet.

One would think that once the race was finished, all the hard work would be over and the team would be able to relax. Not so. Daryl, with the help of his eight-member crew spends up to seven to eight hours a day checking every nut and bolt on the car, inside and out. "Just in case there's a crack or car show coming up," he says, adding "One tiny crack is all that's needed to cause a crash."

"Taking Commerce at Saint Mary's now, I figure that will be the best field to help me with racing. Especially since I'm going to major in marketing. When I graduate I'll have the formal education and skills to develop my racing career, and I'll be prepared to sell myself to prospective sponsors," says Daryl, who's planning to help people become more aware of Nova Scotia's racing community after graduating from Saint Mary's University.

During this year's practice run for the Moosehead Grand Prix, Daryl's motor blew. The crew spent Thursday night putting in a spare engine, and during Friday's practice run, that engine also blew. For the first time Daryl wasn't able to qualify to race. "I was pretty disappointed for awhile, especially watching the race, but what can you do," says Daryl. "I'm planning to be there definitely next year."



Dr. Linda Christiansen-Ruffman

National Recognition

For the first time a Saint Mary's Professor has been awarded the Outstanding Contributions Award by the Canadian Sociology and Anthropology Association (CSAA). Dr. Linda Christiansen-Ruffman, Sociology Department, received the award on June 11, at the University of Calgary. "I was certainly very honored and pleased to get the award," she says, adding "I didn't expect to get one yet." The CSAA, which has over 1,000 members, established the award with Dr. Christiansen-Ruffman's help in 1990. The award honours dedicated persons who have contributed significantly to the development of Sociology and Anthropology in Canada. Three people annually are selected for this award.

Comet Shoemaker-Levy 9

Astronomers enthralled by celestial blast

by Renee Field

For thousands of astronomers world-wide, the month of July is deemed to be one of the most exciting times for years to come. For the first time astronomers will be able to watch a comet, known as Shoemaker-Levy 9, collide with a planet - in this case Jupiter.

"It's definitely going to happen. The big question is, will we be able to see its effects from Earth?" says David Lane, of the Astronomy and Physics Department at Saint Mary's.

"The fact that we know when it's going to hit Jupiter, (between July 16 and the 23) means we're going to be proactive - a first," says Lane, who's planning to aim his telescope towards planet Jupiter every night during late July.

The comet was discovered by Eugene and Carolyn Shoemaker with collaborator, David Levy on March 23, 1993, at the Palomar Observatory, in California. Astronomers speculate that the original comet



Dr. William Lonc, Astronomy and Physics Department hooks up a radio antenna, on top of the McNally building. Dr. Lonc and David Lane hope to hear the comet fragments collide with Jupiter, by tracking the radio waves of the planet.

(which could be 4.5 billion years old) came too close to Jupiter's gravity a decade ago. Once snagged it was forced to follow the planet's orbit, instead of the usual path around the Sun. In 1992, a close pass to

Jupiter caused the comet to break apart into at least 21 major pieces, up to 4 km in diameter. There is world wide speculation about what effect (if any) the comet collisions will have on the planets atmosphere.

Jupiter, 318 times more massive than Earth is made up of mostly hydrogen and helium gases. With 16 moons, the planet rotates three times faster than Earth. It takes 12 years for the planet to complete one orbit around the Sun. In July, as the comet fragments circle the planet they will strike the atmosphere of Jupiter and explode.

The bad news with all of this excitement, of knowing when and where the comet is going to collide, is that all of this will happen on the back side of the planet — making it almost impossible to see directly from Earth. The collision, which is predicted to be larger in energy than what is thought to have killed the dinosaurs on Earth, could create anything from a

meteor shower to a huge gaseous cloud. Astronomers and scientists have no way of accurately predicting what is going to happen, because this is the first time a collision of this magnitude has been found in space. What both professional astronomers and amateurs are hoping for, is that when pieces of the comet collide, flashes of light will bounce off one of Jupiter's moons.

The Galileo space probe currently on its way to Jupiter, will be in direct view of the impact sites. The Hubble Space Telescope, will be the best telescope to observe atmospheric changes caused by the impacts. The telescope will also make them available on the internet.

"We have no idea where this comet came from," says Lane, adding "It was probably mistaken for a star before. It could just be like throwing a pebble in the ocean and then seeing ripples of it, and then it's gone."



A.O.D. George, Country Programme Director for CUSO, Sierra Leone points out where he lives in Africa, during the IEC's brown bag lunch series.

Historic links

As part of the IEC's Brown Bag Lunch series, A.O.D. George, Country Programme Director for CUSO, Sierra Leone, spoke to a room crowded with people, in the IEC's lounge.

George is a Krio-speaking descendent of the founders of Freetown, Sierra Leone, from the Ivory Coast of Africa. The descendent's of Freetown include emigrants from Nova Scotia, who in 1792 left the province for Africa. Today these descendents comprise 3 per cent of the country's population.

"I thought I was going to be snowed in when I first came here in June," says George, commenting on his first visit to Canada and Nova Scotia. His talk "The Challenges of Development in Sierra Leone for the 1990's" touched on the political problems that have plagued the country since the late 1960's. There are many problems that the country is slowly trying to address today, such as; extremely high illiteracy rates (anywhere from 85-90% of the people are illiterate); the education of women (over 90% can't read or write) and supplying the basic amenities, such as electricity and running water to all people.

"Now at this spot we are taking a step forward and linking our heritage and building relationships," says George, commenting on the Cotton Tree Partnership Linkage Development Project, which exists between Nova Scotia and Sierra Leone.

Microscopes reveal an amazing world

by Renee Field

"You can just see a little peep of the passage in Looking-glass House, if you leave the door of our drawing-room wide open: and it's very like our passage as far as you can see, only you know it may be quite different on beyond." - wrote Lewis Carroll, in Through the Looking-Glass and What Alice Found There.

What a place for an imagination, a "Looking-Glass" that creates a world unlike any other. If only Alice could see how "beyond" and "different" today's "LookingGlass," the microscope really is. Huge insects on one follicle of hair that seem larger than life, delicate fine designs of plant fibers, and life that was never thought to exist, each make up a part of the power of microscopes. To recognize the value, need and necessity of microscopes, Saint Mary's hosted this year's Atlantic Microscopical Society of Canada conference on May 19-20.

Without microscopes the fine details of scientific research wouldn't be possible. Blood samples couldn't be analyzed and thousands of discoveries in the fields of toxins, fungi and new diseases would have gone unnoticed.

"The conference is a great way to exchange information and communicate new techniques of microscopy," says Dr. Thomas Rand, of the Biology Department, and chairperson of the Microscopical Society of Canada (Atlantic Chapter). "Having a conference like this at Saint Mary's, shows that Atlantic Canada does have experts in the field of microscopy."

Over 25 people with disciplines in engineering, forestry, biology, fisheries, pathology, urology and physics gave presentations during the two-day conference. The Atlantic conference was funded in part through donations by companies interested in the use of microscopes. Last year the conference was held in New Brunswick.

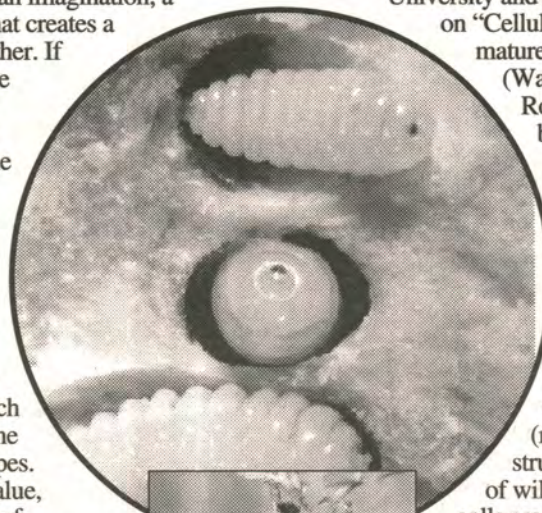
Paula Clarke, a 4th-year honor biology student from Saint Mary's, represented the University and gave a presentation on "Cellular Morphology of mature *Diplolepis Spinosa* (Wasps) Induced Galls on *Rosa Rugosa* (wild rose bushes), as revealed by light and scanning electron microscopy." Over 30 people attended the morning lecture series held in the Burke Education Centre.

"This species of wasps creates galls, (round hard ball-like structures) on the stems of wild rose bushes. The galls are produced when the wasp lay their eggs on the plant," says Paula, who just finished her Honour's thesis and is continuing her research for the summer. Dr. David Richardson, Dean of Science, is Paula's research supervisor.

There are many different species of wasps and other insects which make all sorts of galls, says Paula, adding "It is possible to look at a gall and tell what species of wasp made it." This particular species of wasp, which is almost as big as a thumb tack, and usually mistaken for a fruit fly, has no stinger. The wasp lay their eggs in Spring and seven days later these hatch to form larvae. The larvae form galls by eating all the nutrients that would normally go to the plant. They will eat until late Fall and then hibernate for the winter. Once the weather starts to warm, the following Spring, they chew their way out of the gall and emerge as fully developed adults. Most adults are female, but a few are males. The females are born with fertilized eggs and males aren't really needed. Immediately the wasps start to lay eggs again, and the cycle is repeated, she says.

Scientists don't know how the larvae are able to manipulate the plant into redirecting its nutrients to the gall, instead of to the plant. "The problem is, there is no way to control the galls and rose bushes are really being damaged by this. There is nothing known that can kill them and the only thing rose growers can do is cut them off," she says. Scientists are hoping that through research activities, a method will be discovered to control the galls without harming the plant.

If you were to cut open a gall you would be able to see the larvae inside of it, but microscopes were able to reveal the ultrastructure of the gall. "A lot of research has been done on developing galls, but not on mature galls," says Paula, joking that she has a phobia about insects "But these little insects I can stand."



TOP: Wasp larvae inside a gall; BOTTOM: A gall on a rose bush, taken by Dr. Joseph Shorthouse, Laurentian University, known as an expert in this field.

Unear

by Renee Field

IT'S 12:45 P.M. and Jeff Gallagher has hit pay dirt. After four and a half hours of painstaking work to remove the soil in a one-by-one square metre area he's found a piece of glass, the size of a loonie. This isn't an ordinary piece of glass, rather a 210 year-old find.

Gallagher, 23, entering his second-year of Anthropology, is one of 10 Saint Mary's student's and three volunteers participating in an archeological dig in Birchtown, Nova Scotia. The dig is a first for Birchtown, located just outside Shelburne, on the south shore of Nova Scotia. Dr. Stephen Davis, of the Anthropology Department at Saint Mary's and Research Assistant Laird Niven are working with the Shelburne County Cultural Awareness Society to piece together the history of the 1,500 black Loyalists who lived in the area in the late 18th century.

Birchtown, once home to one of the largest black Loyalists settlements in the province, is slowly, sod by sod, stone by stone and artifact by artifact, rediscovering the history of one of its early founders. The black Loyalists, who made their way to Birchtown, consisted of; freed blacks, servants and slaves. They sailed from South Carolina and other parts of the United States to Nova Scotia, with the promise of free land and a better life. During the American Revolution, the British colonies, in an attempt to undermine the revolution, offered freedom and land to any black who fought for the colonies. Shortly after the war, in 1783, the first black Loyalists set foot in what was then known as Port Roseway (later renamed Shelburne). Arriving in September, they quickly made homes and prepared for the oncoming winter. Living on rocky, barren land, life wasn't easy. With only three months before December, the group barely had time to clear the land and construct housing. In 1791, close to 500 black Loyalists in Birchtown decided to make their way back to Africa, boarded fishing vessels in Halifax, eventually landing in Sierra Leone, Africa.

Today the story of what these first black Loyalists accomplished can be seen scattered over the landscape for miles. "There are already 22 known sites within the Birchtown area," says Dr. Davis, organizer of the dig. "There are literally 100 kilometers of stone foundations of homes and out buildings. These people worked incredibly hard at building a community." But, unearthing history is time consuming and slow



Rice residence update

The Rice Residence will be ready by September 2, 1994. Currently construction is slightly ahead of schedule and the renovations have come in slightly under budget. From mid-March to the end of June, construction crews have worked in two-shifts from 7 a.m. to 11 p.m., six days a week. Starting in July, the crews will work on a five day schedule. Besides working on the residence, crew members that are certified volunteer firefighters have maintained a 24-hour, seven day a week fire watch. Already a waiting list has developed to accommodate the growing number of students who want to stay in the residence in September.

Then



Now

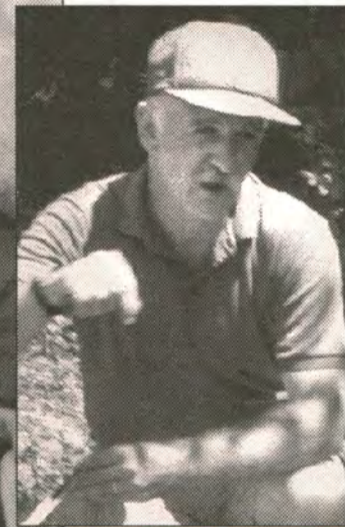


Unearthing black history

10 Saint Mary's students are helping to piece together the history of 1,500 black Loyalists who lived near Shelburne, N.S., in the late 18th century.



Birchtown's black Loyalists), it's a chance to work at revealing their own history. "I found a piece of glass and a nail," says Corey, who's shy manner can't mask his enthusiasm over his discover. "I didn't expect to find anything," he says, as he jokes with Jermaine that he's the only one in their group who hasn't found anything. If Corey is excited with having the chance



to participate in the dig, his parents are thrilled, he says. "This is a real eye-opener for these young men. It gives them a chance to see their history," says Elizabeth Cromwell, President, Shelburne County Cultural Awareness Society. Cromwell and other members of the society

were pleased to receive last year's grant of \$25,000 for the survey of the original land grant. Today the society is diligently recording the history of the black Loyalists in the area. The reason they are working so hard to discover as much as they can about the settlers, is a landfill site has been proposed for the Birchtown area. "Our concern is that if we had the landfill, it would be here forever and much of the history of the settlers could be lost. When the highway went in, it destroyed a large part of the settlement," says Cromwell. The heated debate over the landfill issue isn't discussed at the archeological camp. With highs of 30 C for days and no shade, the students, who work 8 a.m. to 4 p.m. put all their energy into their work square. Equipped with hats and bug repellent, a breeze would be welcomed.

For Kim Tibert, 29, one of the four women participating in the dig, this is the best way to develop field skills. Going into her fourth-year in Anthropology at Saint Mary's, Tibert, who has worked on a number of digs says, "This dig is great, because we get to do a bit more detail here." Students learn how to set up a site, using the transit (a survey instrument which lays a perfectly straight line), how to map their work square (each student has to draw a detailed map of their site, showing all rocks and where they find an artifact) and the proper way to dig a site.

"When you're working on the second layer, you take more care to remove the soil, and when you find something, you have to sit back and just look at what you've found. Take a deep breath, get out your pencil and paper to sketch it and then measure it. Once it's finally out and you can see what you've found, then you get to smile," says Gallagher.

“This is a real eye opener for these young men. It gives them a chance to see their history.”

Elizabeth Cromwell
President, Shelburne County
Cultural Awareness Society

scattered around it, could have been a cooking spot where settlers gathered and relaxed at the end of a long hard day. The wood, along with the charcoal, will be dated and analyzed back in the lab. Speculation, archeological finds and talking to descendants in the area, all play a part in accumulating the history of the black Loyalists.

Part of the work after a site has been found is clearing the area of trees and shrubs. With a group of 13 students, it took close to four hours to get the area ready to dig in. Once the first sod is removed, students have to learn how to remove the second layer carefully. No shovels are used for the second layer and students spend most of their time sweeping soil or scraping sediment from around rocks into a dustpan. Removing soil can be back-breaking work, especially if you're not used to it. For Jermaine Farmer, 17, Anthony Hartley, 18, and Corey Guye, 19, three members of the Black United Front, this is a chance of a lifetime. For these three young men (direct descendants of

direct link with the settlers and their African heritage," says Niven, who keeps his eyes on the site's most hopeful area — a rock covered mound, where a student slowly removes soil, revealing shells and more rocks. The area could have been used as a field clearing wall or a garbage pile. For archeologists today, ancestral garbage is like a gold mine. Not only can it help piece together what type of food the settlers ate, but it helps to reveal how they lived. A two hundred year-old burnt piece of wood and pieces of charcoal that lay

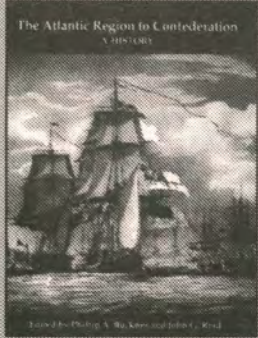


Main picture: Jermaine Farmer on his first day on the dig.
Right, Dr. Stephen Davis explains to students how to set up a work site.
Above: relics from the Birchtown Archaeological Survey.

work. Last year, Niven and Stephen Powell, a fellow archeologist, surveyed the original land grants occupied by black settlers. Niven, who also had a chance to work on one site in the area, discovered close to 300 artifacts, ranging from rusty nails to pieces of porcelain. This year's project, which was federally funded through the Canadian Heritage, "Access to Archeology" program had its budget cut by \$5,000, leaving fewer weeks for the dig. "We have no idea what an 18th Century, Afro-Canadian structure looked like. That's what we're hoping to discover, some type of structure that would show a

New books

At the recent Atlantic Canada Studies Conference held in Fredericton, the book, *The Atlantic Region to Confederation: A History*, edited by Phillip A. Buckner, from the History Department at the University of New Brunswick and John G. Reid, of the History Department at Saint Mary's University was launched. "I'm



very glad and very pleased we did it, and the design work was first rate," says Dr. Reid. The book is intended as a general history of what went on in the Atlantic region before confederation.

The Gorsebrook Research Institute for Atlantic Canada Studies is pleased to announce the publication of *Contested Countryside: Rural Workers and Modern Society in Atlantic Canada, 1800-1950*, edited by Daniel Samson. This work represents the fourth book in the "Studies in the Political Economy of the Atlantic Region" (SPEAR) Series.

One-stop computer registration in the works

A faster, stream-lined and more concise registration process will greet 8,000 students this September.

After more than six months of meetings, planning, developing and testing, the first-phase of a three-phase automated registration process is complete. Through the joint efforts of the Registrar's Office, the Business office and Computer Services, student registration should be easier.

Instead of the old system, where students spent much of their time lined-up and moving through the Theater Auditorium, the Multi-Purpose Room (MPR) and the bar coding room — this year everything will be done in the MPR.

"This is going to eliminate a lot of paper work," says David Peters, Coordinator of Registry Services. An implementation committee was formed to work on the most feasible and affordable system for the University. Committee members included Ed Kelly, Manager, Computer Services; Marjorie Sullivan, Assistant Comptroller, Business Office; Elizabeth Chard, Registrar; Murray Wilson, Associate Registrar; Dr. Paul Dixon, faculty representative and Chair, Dr. Michael Larsen, Dean of Arts.

"If you compare it to

building a house, we all worked on designing the blueprint," says Kelly. "We cooperated as a team and built it together." Close to 4,000 people hours were put into the new system with staff in Computing Services averaging 10 hours a day.

How the new system works

The new system is completely computerized. This September when students register, in person, what could have taken up to 30 minutes, should take two or three minutes. Computer work stations will be set-up in the MPR and a member from the Registrar's staff will input the student's course information and the computer will work out a schedule that has no time conflicts.

"Over 85 per cent of full-time students register by mail. This year they can expect a faster turn around," says Chard. "We're extremely positive and proud that the system was developed in-house. It's a giant step forward toward a paperless registration process."

John Gardin, Computing Services, and David Peters, met almost daily, from the beginning of February to July to fine tune the on-line, interactive, registration system (OLIRS). This new system,

designed by Computing Services, is similar to how airlines book seats. The OLIRS system, which is commonly referred to as the automated registration system, has course listings and schedules pre-programmed. Information is available at the touch of a key.

What this means for students

For the first time, students will receive a receipt showing a course time-table listing: labs, recitations, faculty members teaching the course, where and when the course is offered, a breakdown of the cost of each course and the status of their accounts and their personal computer identification numbers. From the Business Offices' perspective, automated registration is great. "We can now offer the students better payment options, quicker turn around and precise financial information, with less staff and more student helpers," says Sullivan. The Business Office has expanded its service of allowing students to pay second term fees at any Canadian chartered bank. This year students can pay first term fees at the bank.

Faculty advising will be more personal in the new system. No longer will students have to wait in line to talk with a faculty advisor in the MPR.

Rather a list of contact names and phone numbers will be available in the registration book. "We're improving the nature of advising," says Dr. Donald Nauls, Associate Dean of Arts. "Advising in person is much more personable and more accurate." For two years the Faculty of Arts has offered academic audits — where students are able to confirm by means of computer print out what they need to complete their degree, a list of prerequisite courses, as well as courses they may have missed. Using a student ID number, faculty advisors can quickly call up the student's record and receive a complete picture of what the student needs to graduate. This year students have the chance to speak with either the chair, coordinator or faculty member in their department for career advice. The Faculty of Commerce and the Faculty of Science also offer academic audits. For master degree students in the Faculty of Education, any questions can be directed to the Associate Dean.

The future

The success of this registration will be monitored and any adjustments will be made. By 1996 a fully automated, interactive registration process will be operational.



Saint Mary's University

THE FRANK H. SOBEY FACULTY OF COMMERCE

In partnership with Canadian business, The Frank H. Sobeys Faculty of Commerce is pleased to announce the appointment of the Commerce Advisory Board. Senior business leaders from across Canada will provide counsel and support to the Dean and the Faculty.



Front Row (L to R): **Dr. Kenneth Ozmon**, Saint Mary's University, **Mr. Don Mills**, Corporate Research Associates Inc., **Dr. A. Scott Carson**, Saint Mary's University, **Mr. Kirk McIntyre**, Maritime Life, **Mr. Brian Neysmith**, Canadian Bond Rating Service, (Westmount, PQ) **Mr. John Loewen**, Comcheq Services Ltd. (Winnipeg, MB)
Back Row **Mr. Craig Burrows**, Canadian Imperial Bank of Commerce, **Mr. Joseph Randell**, Air Nova, **Mr. James Livingstone**, Nova Scotia Resources Ltd, **Mr. Nigel Byars**, Great Atlantic & Pacific Co. of Canada Ltd., (Toronto, ON) **Mr. Stuart Lang**, Crestbrook Forest Industries, (Cranbrook, BC), **Ms. Valerie Payn**, Halifax Board of Trade, **Mr. David Mercer**, Newfoundland and Labrador Hydro, (St. John's) **Mr. Bruce Jodrey**, CKF Incorporated.
The Advisory Board will welcome **Mr. Robert Langille**, Nabisco Brands Ltd., (Toronto, ON), **Mr. David Hope**, Doane Raymond, **Mr. Douglas Stewart**, Sobeys Inc., and **Mr. Phillip Carter**, Oland Breweries Ltd. in October, 1994 and **Ms. Marilyn Knox**, Nestle Enterprises Ltd. (Don Mills, ON) in May, 1995.

The Frank H. Sobeys Faculty of Commerce is Atlantic Canada's leading business school. Since its founding in 1934, the Faculty has grown in its reputation for teaching students from around the world the same international language business.

Scholarly & professional activities

Biology

Dr. Thomas Rand, presented "Sampling analysis on non-valuable bioaerosols," to 500 people at the American Industrial Hygiene Conference, Safety Committee meeting, in California, on May 22. His talk was based on establishing guidelines for sampling fungi in indoor environments. The American Industrial Hygiene Conference has over 14,000 members.

Chemistry

Dr. John C. O'C. Young, of the Chemistry Department recently attended the 85th Annual Conference of the International District Energy Association in Seattle, where he presented "Dried Reduction in the Chilled Water Distribution System of a 200 Ton Absorption Chiller." Dr. Young also gave a poster presentation on the studies he has been making of drag reduction in the air conditioning system of the Patrick Power Library. At the Conference, he was chosen to be the Technical Program Chairperson for the 1995 Conference.

Commerce

Dr. T.S. Chan, of the Marketing Department and Director of Graduate Studies, along with **Drs**

Julia Sageblen, Ramesh Venkat, Harold Ogden and **Chris Vaughan** of the Marketing Department recently presented papers at this year's ASAC 1994 Conference, held at the World Trade and Convention Centre on June 25 to the 28. **Dr. Russell Summers**, of the Management Department and Director of MBA studies, along with **Drs Terry Wagar, Cathy Driscoll, Brenda White, Pat Fitzgerald, Albert Mills and John Chamard** of the Marketing Department also presented papers. **Drs Harvey Millar and Martha MacDonald** of the Finance and Management Science Departments, **Tom Cheng**, of the Accounting Department and **Ather Akbari** of the Economics Department also presented papers during the four day conference.

Geography

Dr. Hugh Millward co-authored a chapter with **Shelley Dickey** (a former student) on "Industrial Decentralization and the Planned Industrial Park: A Case Study of Metropolitan Halifax," in *The Changing Canadian Metropolis: A Public Policy Perspective*, vol. 2, Berkeley, California, Institute of Governmental Studies Press, 1994. Dr. Millward also presented a paper on "Changing Patterns of Agricultural Settlement in the

Canadian Maritimes," at a colloquium on Rural Research in the Humanities and Social Sciences. The paper will be published shortly in proceedings of the colloquium. In May, he also presented a paper on "Recreational Access in Rural Districts of the United States: A Statistical Comparison," to the Canadian Association of Geographers, Waterloo, Ontario.

Geology

Dr. Douglas Day, published "Managing transboundary fish stocks: lessons from the North Atlantic," in *Maritime Boundaries: World Boundaries*, Volume 5., Routledge, London, April 1994. Dr. Day, also presented conference papers on "Changing relationships in Canada's oceans policy," at the Malaysian Institute of Maritime Affairs conference on Oceans Governance, in Kuala Lumpur; "Comparative studies in transboundary fish stock management" at the Southeast Asian Fisheries Development Centre in Terengganu, Malaysia, on May 1st; "The historical and geographical background to the extension of Canada's jurisdiction on the Grand Banks" at the International Geographical Union Commission of Marine Geography

meeting in Halifax. He also chaired the Oceans Day '94 Round Table on High Seas Fishing at the World Trade Centre in Halifax, June 7, and on July 18th he will present a seminar to the International Oceans Institute on Marine and Coastal Tourism, as part of their summer program on "Exclusive Economic Zone Management: Implementation and Development of Agenda 21."

Gorsebrook Research Institute

Congratulations to **Bill Wicken**, senior research fellow for the Gorsebrook Research Institute, who recently finished defending his thesis "Micmac European relations from 1500 to 1760." Dr. Wicken researched the contact between European fishermen and the Nova Scotia Micmac population. Because the Micmac were a fishing society, not a hunting one, they didn't have the same influx of Europeans as did aboriginal communities in Maine and other parts of the United States and Ontario. Dr. Wicken's work has generated interest in both the Micmac communities and with academia. In November, Dr. Wicken will graduate with his PhD from McGill University.

Board approves tuition, residence, increases for 1994/95

The Board of Governors at the June 20th meeting approved increases of 8.3 per cent for tuition and 3.35 per cent for residence and meal plans for the next academic year. Compared to other Atlantic universities, tuition at Saint Mary's remains mid-range.

The Board also approved the \$38 million budget proposed for the 1994-95 academic year, which is based on a stable enrolment and increases to room and board. Room and board will range from \$1,960 to \$2,390, and meal plans will range from \$1,960 to \$2,460. With the per fee course that was adopted last year by the University, this year each course will cost \$574.

"Recent wage freezes and rollbacks have had an affect on employee morale at our University," says Guy Noel, Vice-President, Administration at Saint Mary's. "We have been

looking for ways to assist our employees because we truly appreciate their efforts in these difficult economic times."

Planned for this year are: additional funding for professional development programs for staff and faculty; an employee recognition program to be instituted this

Fall, increased faculty research support and a greater number of scholarships and bursaries for Saint Mary's students. Budget allocations will also provide for upgrades of computer hardware and software, and a new roof for the Burke Education building. Concerns with campus safety, which were identified in

a safety audit conducted last Fall, will also be addressed with improved external lighting around the campus.

The extensive renovations to the Rice and Vanier residences have required the University to end the last fiscal year with an operating deficit. "The extraordinary circumstances of

the last semester, have resulted in an over-expenditure of \$206,000," says Noel. "It is extremely rare for Saint Mary's to incur such a deficit, but given the seriousness of the damage to the residence buildings and to ensure the safety of our students, it is necessary that the work be carried out."

Don't hesitate, levitate!

Creativity and innovation are the keys to tomorrow's successful business leaders, says Dr. Scott Carson, Dean of Commerce, who was guest speaker for June's luncheon at the Halifax Club.

"When we educate future generations of managers, should we not educate them to be creative?" asks Dr. Carson,

to the group of 24 men and women, who listened to his talk "Business Education in Canada and the Role of the Business Community."

Business schools have to change their thinking, says Dr. Carson. The business community "Should insist on being involved. Theory and practice are two different concepts."

Saint Mary's has 65 full-time and 70 part-time faculty members, many of whom come directly from the business community, he says. "But faculty needs to have time to explore the creative aspects of business



Dr. Scott Carson, Dean of Commerce talks with Jeff Somerville, Senior Vice-President, Atlantic Division, Toronto Dominion Bank, at the Halifax Club luncheon.

thinking. In the 1960's and early 70's, we saw more of that, but today the imagination needs work."

Using the analogy of a basketball player, who knows when to slam-dunk a shot for his team and when to pass to a player, Dr. Carson says, "This

instantaneous, creative thinking must become part of the business approach. Don't hesitate, levitate."

Saint Mary's is already looking at ways to inspire future business leaders. One of these is the development of mentor programs. "Overall Atlantic Canada needs people who can look at a business problem, think on their feet and come up with feasible, innovative ideas," he says. "We need to develop creative managers."

Even with new managers, who are more open to this type of thinking, a generation needs to change to make this concept acceptable. "The hard part will be teaching people to think creatively," says Dr. Carson, "But with active involvement from the business community and faculty this is attainable."

Give people a say in decision-making

Look to employees for business success

The key to a successful business or organization lies in the hands of the employees, says Dr. Terry Wagar, Associate Professor of Human Resource Management and Industrial Relations at Saint Mary's.

"A lot of companies want to find out what's going on," he says, and "The more



Dr. Terry Wagar

information they have about problems, the more they can take proper action."

Dr. Wagar has undertaken "A longitudinal study of human resource management and employee

involvement: evidence from employers, unions and employees."

"This type of research is exciting, because only a few studies track human resource development and changes over time," he says. His research is revealing that the mechanics of human resource management practices, such as total quality management, don't work consistently year after year.

"You need more than just these programs in place; you need an ideology, and you need to let people feel they have a say in the decision making process."

Armed with a three-year Social Sciences and Humanities Research Council of Canada (SSHRC) grant, and three

previous SSHRC grants, Dr. Wagar's research is unique. He is able to utilize a huge statistical base. Over 4,000 companies and 1,500 unions make up the database.

The goal is to find out what practices make an organization better. Is a company successful? Is employee morale high? What type of human resource management practices are in place? Do these programs last over the years? How much employee time do these programs take up? These are just some of the questions that Dr. Wagar plans to answer over the next few years.

In a study that he completed last year on 1,275 Atlantic Canadian organizations, a "progressive decision-making ideology" was the key to sustained employee morale and higher organizational performance. Both private and public sector organizations were used in the study and each organization had to employ a minimum of 15 people.

The statistical data from last year's study will be used as part of Dr. Wagar's long-term research project. "Now we're going to look at what they had in place before and do a follow-up."

With such a huge statistical base, Dr. Wagar's research will present the most accurate findings related to this field of study to-date. "People are sometimes afraid to find out about the problems," he says, "But this study will reveal what works and what doesn't."

ALUMNI UPDATE

Direct mail produces great year for Annual Fund

Over \$148,000 has been raised in this year's Annual Fund. "We had a great year so far in generating money for the Annual Fund," says Arleen Stevens, Assistant Manager, Annual Fund Centre. In fact, with this year's Capital campaign launched, staff at the Centre thought they would have a hard time soliciting money for

the University, so they decided to only send out a direct mail piece. As of June 13, over \$148,221.64 was raised. Last year over 30 percent of the money went to named scholarships and bursaries, while 14 per cent helped to fund the Chair of Irish Studies. "If people specify where they want the money to go, that's not a

problem," says Stevens. One of the surprising elements in establishing the eight-year-old Annual Fund has been the generous response from parents. Last year over 32 per cent were previous donor parents. "In the future we plan to develop a grandparent fund and work closer with non-donor groups," says Stevens.



Distinguished Community Service Award

As part of Saint Mary's Alumni Association Annual meeting, on May 25, 1994, Fred MacGillivray, President and CEO, Trade Centre Limited, received the Distinguished Community Service Award. (l to r): Rod Doiron, past-president of the Alumni Association and Fred MacGillivray.



Honouring service

To honour significant service to the University for a number of years, five Associate Memberships were awarded at the Alumni Annual meeting. (l to r): Dr. Sheila Kindred, Philosophy Department; Philip MacDonald, Hvac Technician, Physical Plant; Daniel Stone, Director, Personnel Services; Joan Whitney, Secretary, Dean of Arts and missing from photo Dr. Colin Howell, History Department.



New Alumni board

Back (l to r): Heather Harrow, Brian Downie, President, Alumni Association (front, l to r): Ellen Farrell and Kelly Shannon.



Andy Jeffery and Sharan Goobie soaking up rays in Bermuda.

Bermuda trip hard work

With summer breezes, sandy beaches and a warm green ocean, the scene is set for vacation time. For the 10 students who took part in the "Aquatic Biology in Bermuda" course, all the elements were right but it certainly wasn't time to relax.

"We were on the go from 8 a.m. to 11 p.m.," says Sharan Goobie, one of seven women and three men who took the half-credit, one-week summer course. "After being out all day, we would come home and study for the quiz we had every night," says Sharan, 19, smiling as she remembers how intense and fun the course was.

The trip, co-ordinated by Dr. Thomas Rand, Biology Department, consisted of eight days of lectures, field trips and quizzes. Each day students spent up to nine hours in the field, observing Bermuda biology in environments like: a rocky shore, inland ponds, seagrass or mangrove settings. At the end of each day, students were quizzed on what they learned and lectures were held every night to prepare them for the next day's expedition.

"We learned more in that week, than a full year of course work," says Sharan. "The week was spectacular."

For 19-year-old Andy Jeffery, one of the high points was snorkeling in an inland pond, known as "Lovers Lake," that was filled with invertebrates, worms, snails and much more. "As soon as you took a few steps, your shoes were filled with shells and you were covered with life. You could see these holothorians (translucent worm-like animals) on your legs and you knew that your entire body had to go underneath the water. When we finished, we had these animals all over our backs. It took a lot of nerve to swim in that water and we ran pretty fast to the ocean after that."

Another interesting field trip was a day spent exploring ponds that used to be caves. Thousands of years ago the ponds were naturally made into caves, but as the years passed, they eroded and formed ponds. Collapsed caves also created sink holes, so students had to be extremely careful where they walked.

"Dr. Rand knew every little detail about everything on Bermuda," both students say. His knowledge of both the history and biology of plant and animal life on the island made the course memorable. Eating a cooked papaw plant (known in Canada as a papaya) made the trip unforgettable for some students. "It tasted like a potato," says Andy, grinning through the interview, as he explains how he stir-fried the fruit for everyone to eat on the Bermuda trip.

Besides paying for the course, students paid their own airfare to Bermuda. Accommodations were included, and the class stayed in housing that was part of the local aquarium.

Will Njoku joins NBA

Saint Mary's Huskie, Will Njoku has been drafted by the Indiana Pacers in the second round, 41st overall.

Njoku, 22, is only the second Huskie to be drafted by the NBA and one of two Nova Scotians ever to be drafted. Njoku graduated from Saint Mary's during spring convocation, with a

Bachelor of Commerce degree.

"This is such a great honour for Saint Mary's and the CIAU," says Mickey Fox, a former All-Canadian at Saint Mary's, who was drafted in 1975 by the Detroit Pistons. Fox, who talked to both Indiana and Phoenix says, "Will had flown to Phoenix and really impressed them. Then Phoenix called me and said they were probably going to pick him as their 50th choice. I think Indiana was worried that another team would get Will, so they picked him over their hometown basketball star, Damon

Bailey," says Fox.

Fox, who had a chance to speak to Njoku just before he got drafted says, "Will was excited about his prospects and we both felt he had a good shot at getting drafted. Now, he needs to fine tune his skills and increase his one-on-one play." Njoku will probably play a No. 3 position known as a small forward.

"Will has great skills, and defensively he can rebound with anybody," says Ross Quackenbush, Njoku's coach at Saint Mary's.

Currently Njoku is on a trip to Europe with the Canadian National Basketball Team, where he'll play six games. With his commitments to the national team, Njoku will make his way to the Indiana Pacers' Rookie camp, for a one-week session. Usually new recruits spend close to three weeks in the camp, but with Njoku on the national team and getting ready to compete in the World Championships, held the first week in August, in Toronto, one-week will have to suffice. Depending on how well he plays in the rookie camp and the feedback from Indiana, Njoku will either join the Indiana Veterans Camp or a Pro-league in Europe. Either way, with a one-year contract he has the chance to earn \$200,000 U.S.



Will Njoku



Coach joins Hall of Fame

Huskies Coach, Paul Boutilier will be inducted into the Nova Scotia Sport Heritage Hall of Fame, during a gala ceremony on October 6th at the Halifax Sheraton. "I was very shocked and honoured," says Boutilier. "This is the highest honour to get in the province, you're always surprised when you get it."

Boutilier, who played for the New York Islanders and won the Stanley Cup in 1983, joined Saint Mary's as Head Coach for the Huskies in 1993. Changes to the hockey team have "created a first class program," he says.



(l to r): Amy Parsons, Paul Boutilier, Huskies Hockey Coach, Adine Boutilier and Dr. Michael Larsen, Dean of Arts.

Dr. Nattrass wins trap-shooting title

Dr. Susan Nattrass, Director, Athletics and Recreation at Saint Mary's won the Canadian Women's International Singles Trap-shooting title and The Canadian Women's International Doubles Trap-shooting title in mid-June.

Dr. Nattrass has won the Canadian Women's International Singles Trapshooting title for the past 26 years and has competed in three Olympics.

"Double trap-shooting is much more difficult, especially when you consider you have two targets both going roughly 60 kilometers per hour at two very different angles," she says. In the next Olympic, double trap-shooting will be a medal status sport.

On July 27 and 28, Dr. Nattrass will

compete in the World Championships for both the singles and double trap-shooting titles.

Ah the mighty grip!

As part of the Halifax Grammer School's Elementary Track and Field competition, which took place on Saint Mary's track, Daniel Abato and Michael Miller learn the value of a quick pass and a graceful run.



Summer camp geared for children

It's 10 a.m. on Monday, July 4th and nine children ranging in ages 6-10 are on Saint Mary's Turf, learning the finer skills of soccer at this year's first Multi-Sport Camp. For some the sport isn't new, but for most this is the first time they've had a chance to play a game of soccer.

"This is the first day and it's a lot of fun," says Lori Messer, Multi-sport instructor, from the side-lines, as she watches the children run up and down the marked area of the field, while also calling out "red ball" or "off side" throughout the game. With temperatures hovering around 20 C, two-hours before noon, the children are well equipped with hats and sunscreen. But still, soccer is a game that can quickly use up energy, so the children only spend approximately one hour on the

(Back, 1 to r): Tyler Perrott, Alex von Maltzahn, Robert Hayes-Fris, Joel Durling, (front, 1 to r): Desmond Lambert, Multi-sport instructor, Catherine Edwards, Suzana Quintero and Lorie Messer, Multi-sport instructor.



field each day, weather permitting.

"Multi-Sport is a great way to introduce young children to many different types of sports," says Linda Whitehead, Coordinator of the Multi-Sport and Camp of Champions, at Saint Mary's. This year the children will be introduced to field hockey, softball, flag football, basketball, volleyball, soccer, track and field and gymnastics, while encouraging the fun aspects of playing

sports. The sports have to be scaled down to accommodate not only the players size, as most of the children reach only about 4 feet, but also the speed of the game. For volleyball, the children catch the ball three times on their side of the net and a badminton net is used instead of the traditional 8 foot high net. For soccer, smaller balls are used and only a portion of the field is used, so children have a chance to learn the game without

becoming too exhausted.

Multi-sport instructor, Desmond Lambert is in his element. Not only does he get to play his sport, he's a member of Saint Mary's Varsity Soccer Team, but he also has the chance to introduce the joys of soccer to the young children. "Where's my defence? Catherine are you my defence? Run up ahead and catch the ball. That's great," says Lambert, to six-year-old Catherine Edwards, who's more intent on talking than playing soccer. But Catherine quickly puts her hat back on and runs to her position after Lambert reminds her that she has to help him.

Each day consists of a week-long mini-olympic, a one-hour recreational swim, two-hours of sport instruction, two-hours of recreational games and a one-hour supervised lunch.