



Huskies - so near, and yet so far!

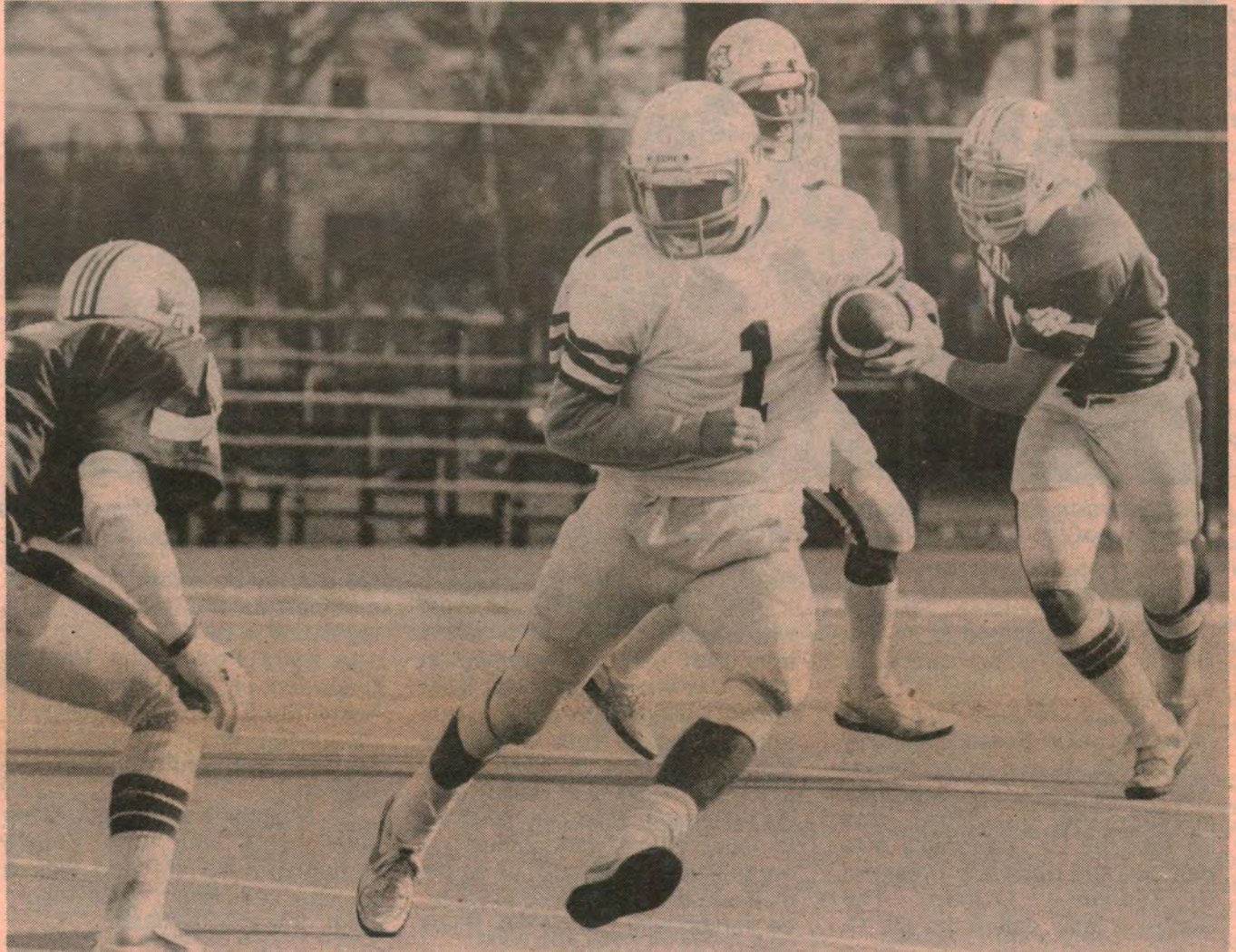
"I'm really proud of them. They played their butts off and deserved to win. They are a gutsy bunch of kids", said Head Coach Larry Uteck after his football Huskies suffered defeat from the McGill Redmen during the Atlantic Bowl on November 14. One week later the Redmen crushed the University of British Columbia Thunderbirds to win the Vanier Cup.

After an exciting and hard-fought season, the Huskies beat Acadia Axemen in the final of the Atlantic Conference the previous week.

Playing the Atlantic Bowl on their home turf, the Huskies were willed to succeed by 6,000 enthusiastic supporters. An early touchdown put the Huskies in the lead in the first quarter, then the score flipped back and forth in a game that kept the crowd on tenterhooks throughout. The score was 27-29 to the Huskies as the last minute of play ticked away, but the McGill placekicker ran on to the field to snatch a 45-yard field goal in the final seconds. There was a moment's horrified silence as the crowd realised the final result was 30-29 against the Huskies.

Despite this last minute upset, the 1987 season proved the Huskies have definitely found their form. From start to finish, fans have watched superb football from a team that played every inch of the way.

During the match Huskies quarterback Chris Flynn kept up a



Quarterback Chris Flynn (No.1) eludes the grasp of an Acadia Axeman during the Atlantic University Football Conference finals, November 7. Flynn rushed for 224 yards and passed for 172 to lead the Huskies to the Conference title with a 30-29 victory (Wamboldt-Waterfield photo)

fine performance which has marked his first year with the Huskies. He completed nine of the 22 passes for 139 yards.

During the first half of the game defensive back Jim Fitzsimmons, who was named most valuable player of the game, intercepted a

pass, recovered a fumble and ran 69 yards for a thrilling touchdown on a fake punt. *More information about the Huskies on page 4.*

A Christmas message from the President

Dear Members of the University Community

On behalf of my family, I would like to extend to you and your families best wishes for a very happy and holy Christmas season.

On this occasion, too, I would like to thank all our employees for their work with the many groups we serve. Your efforts on behalf of Saint Mary's with our students, our alumni, and the general public, continue to enhance the fine reputation our University enjoys.

I hope you have a very enjoyable holiday with family and friends, and that you enjoy a happy and productive New Year.

Kenneth L. Ozmon
Kenneth L. Ozmon



Health Centre dedicated to former Director



The Reardon family photographed during the dedication of the Health Centre. L to R: Dr. Michael Reardon, Mrs. Patricia Buccholz, Mrs. Barbara Reardon and David Reardon (Parsons photo)

The Health Centre in the O'Donnell-Hennessey Student Centre was dedicated to its first Director, Dr. C. Henry Reardon, on October 30. The dedication took place in the presence of a large gathering of Dr. Reardon's family and friends, as well as faculty and staff of the University. A plaque marking the occasion was unveiled by Dr. Reardon's wife Barbara, and University President Dr. Kenneth L. Ozmon. The Centre is now called the Dr. C.

Henry Reardon Health Centre.

Dr. Reardon, who died last year, was Director of the Health Centre from 1967 until his retirement in 1980. He was a student at Saint Mary's College during the 1930s and graduated from Dalhousie Medical School in 1945. He practised medicine in Halifax until his retirement, becoming involved in many health and community organizations. In addition to his medical service to the community, he served with the Halifax Rifles

(23rd Army Battalion) and was a member of the Nova Scotia legislature from 1956 to 1963.

In 1984 Pope John Paul II bestowed on Dr. Reardon the Medal Pro Ecclesia et Pontifice in recognition of his distinguished service and dedication to the Church.

Dr. Reardon maintained a close relationship with Saint Mary's throughout his life and was a member of its Board of Governors from 1978 until his death.

Storm Warning

Here is the University's policy on winter storms and office closures:

The University will remain open if at all possible. Only under the most severe conditions will a decision be made to close, because consideration must be given to the disruption of lectures, scheduled tests and examinations.

In the event of an overnight snowstorm in the Metro area, the President will make a decision regarding cancellation of classes or closure of the University. His decision will be relayed to the media, so that public service announcements can be made on the radio as soon as possible. **Please do not call the switchboard.** The operators may not be able to get to work because of the snow and too many calls overload the telephone system. Instead, stay tuned to your local radio station.

If a severe storm develops during the day, the President will inform the Personnel Director if the University is to be closed. He will then inform all employees.

THE TIMES

Saint Mary's University
Halifax, N.S.

December, 1987
Volume 17, Number 3

The Times is produced by the Information and Public Relations Office, Saint Mary's University, Halifax, N.S. B3H 3C3. Submissions from faculty, staff, students and friends of the University are welcome.

Editor: Anne West
Director of Public Relations: Elizabeth Stevens
©Information Office, Saint Mary's University, 1987.

Scholarships grow!



Norman Stanbury (R) presents the Norman Stanbury Scholarship in English to Craig Proctor at the Scholarship Reception, November 4. Proctor also received the Mary C. Daley Scholarship and an Achievement Scholarship (Precision photo)

by Shelley Murphy

A number of named scholarships were awarded for the first time to Saint Mary's students during an Awards Night held in the Multi-Purpose Room, Wednesday, November 4.

With the Vice-President of Academics and Research, Dr. J. Jabbar acting as master of ceremonies, the Laurie W. Smith Memorial Scholarship was awarded to Cynthia Cleary, a first year science student. The scholarship, established in 1985, will be awarded each year by Saint Mary's Alumni Association in memory and recognition of Santamarian Laurie Smith (Class of '43). Laurie also served as Director of Alumni from 1979 - 1985.

The Mahon's Stationery Ltd. Scholarship, awarded to MBA student Bruce Langstroth, was established with a \$20,000 donation from Mahon's Stationery Ltd. in 1986. This donation to Saint Mary's Capital Campaign marked Mahon's 50th anniversary.

Fourth year arts student Victoria Quaidoo was also the first student

to receive a Saint Mary's Staff Union Scholarship.

While approximately 120 students received scholarships, an additional 63 achievement scholarship recipients were also acknowledged.

The number of undergraduate scholarships has increased from 31 in 1984/85 to 67 in 1985/86. In 1986/87, \$98,000 was donated towards scholarships. It is expected that this year's total will exceed this amount.

Photographs of all students accepting their awards were taken by Precision Photographic Services Ltd. If students or donors would like a print, please contact Shelley Murphy in the Information and Public Relations Office at 420-5518.

"Guide" to Canadian Universities

If Linda Frum's "Guide to Canadian Universities" were a road map, a trusting traveller would probably end up in Afghanistan. Not to mention the befuddlement of a stranger looking for Mount Saint Vincent University, which is "...located not in Halifax, but in Rockingham, the area between Halifax and Dartmouth." Perhaps in a way it is, but it's an odd geographical orientation one cannot easily identify.

Frum does have a sense of humour and her wit sometimes glosses over the mistakes, for example, students at McGill are advised not to "...develop phobias about wearing dead people's clothes".

This book is based on a good idea, but the factual errors are its biggest problem. There is no doubt a need for such a publication in Canada and if the author got her facts right, it would be a valuable resource for a student looking for the "right" university.

Besides "factual" information, Frum gives her impressions of the various institutions that she visited and it is always interesting to see how others see us, and this might be important to prospective students. I don't think we can quibble with Frum's impressions, but when she refers to Saint Mary's as a "jock college", we're inclined to cringe or groan. Ho hum, that again. This tells me that

her attempt to find out what Saint Mary's is really like was cursory at best. She said some very positive things about our "sense of community" and "spirit" but if I'm going to criticize her bad impressions perhaps her good impressions should be criticized as well. However, since most of us agree with the good things we let them go with "well, she got something right". It isn't fair, is it? But it's not so much her impressions that destroy the book's credibility, it's the facts and here are a few examples:

...spanking-new 10,000 seat stadium (it was built in 1969)

...CIAU athletes must be undergraduates (not true)

The Tower is compared to ...Dalhousie's new sporting complex (Dalplex opened in 1979)

...Saint Mary's enrolment: 3,234

...Undergraduate full-time enrolment: 3,141 (These figures have no basis in reality)

...Percentage of foreign students: 5 (not to my knowledge or the Registrar's)

...Percentage of students from outside the province: 4 (inaccurate)

These are just a few examples from Saint Mary's write up, but it's enough to make the credibility of the book crumble. Especially since she even spelled the name of the University wrong.

Whatever happened to "Gimme the facts, ma'am, just the facts".

Spirit Week!!!



Student president Carie Schurr poses with two of the "Mocktails" which students were invited to judge during "Spirit Week", the National Drug Awareness Week. The Week was marked by number of events designed to encourage students to try a natural high and reduce alcohol and drug dependency (West photo)

Disciplinary Committee makes decision

The Disciplinary Committee that had been considering the case of two students involved in an animal cruelty case on campus has made its decision. A recommendation had been made by the Director of Student Services, Keith Hotchkiss, to the Committee that the students be suspended from the University.

Although two students were involved in the incident, only one student appeared before the Committee. Stephen Stokes has withdrawn from the University and left Nova Scotia. The other student who appeared before the Committee is a young offender and cannot be identified. With regard to this student, the Committee made the following decisions:


...that his expulsion from Residence be upheld

...that he must seek professional counselling outside the University, as well as report to the Counselling Centre on Campus once a week.

...that he will be on disciplinary probation for the rest of his stay as a student at Saint Mary's.




Dr. Don Davies, Chairman of the Committee, said that the age of the young offender was a consideration, adding "We are concerned about the tragic incident, but we are more concerned about the rehabilitation of this young man".

Both students will appear in court on civil charges during the next two months.



Christmas Greetings

to all readers of **The Times**
from
The
Information and Public Relations Department

Gorsebrook celebration



Dr. Margaret Harry, Dr. Ron Cospser and Padraig O Siadhail, holder of the Chair of Irish Studies, at an Open House held by the Gorsebrook Institute October 23 (West photo)

Irish Night



A night of Irish music, poetry and entertainment

Thursday, December 3 at 8:00 pm
Faculty Lounge, 5th Floor, McNally

Harpist Sandy Moore, Rick Collins performs "Human Behan", songs by Dominic Larkin, "Caber Feidh" singers and much more.

Admission Free - Everyone Welcome

Huskies in review

by Al Forsey

As the AUAA fall program closes, we can look back at strong performances in all four sports by Saint Mary's teams. The football, men's soccer and women's field hockey Huskies all improved on last year's records.

Football

The Football Huskies, with Larry Uteck at the helm, made it to the Atlantic Bowl this year for the first time in 13 seasons. During league play the Huskies avenged an earlier defeat at the hands of the Axemen with a thrilling 26-21 last minute victory at home. They went on to beat the Axemen 26-25 at Acadia and again in the playoff.

The Football Huskies were ranked as high as fourth in the nation this season. The 1987 line-up included returning veterans Peter Curwin, Brian Hutchings, John Lukan and Shane Doyle. Outstanding rookie starters were quarterback Chris Flynn and middle linebacker Gus Karowzakis.

Despite excellent efforts in the Atlantic Bowl, the Huskies were victimized by a McGill Redmen field goal within three seconds remaining in the game.

Men's Soccer

The men's soccer Huskies enjoyed a banner season, boasting the league's best record at 10-1-2. Their only loss was to UCCB, which was avenged by a 6-0 score. They were ranked as high as fourth in the nation and were led by season MVP Woody Bailey, who returned for his third year after a summer with the professional Toronto Blizzards. Woody finished second in league scoring.

Other top scorers included second-year mid-fielder Randy Thomas and rookies Sean Wilkie and Dennis Robinson.

Coach Peter Wicha liked what he saw from his team, but was disappointed with their 3-1 overtime loss to UNB during the AUAA playoffs.

Women's Soccer

The women's soccer team struggled this season and was unable to make the top four, finishing three points out of a playoff berth. Despite a record of 2-6-4, the Huskies tied the top three teams in the league and were the only team to score against first place Acadia.

Coach Angelo Cianfiaglione was disappointed with the record, but happy with the team's defensive play. In many games, the Huskies carried the play, but were unable to get quality shots.

Women's Field Hockey

The Huskies had a good season, improving upon last year with a 5-4-1 record. First year coach Jill Jeffrey was pleased with a performance that landed them in the AUAA championships. Despite a strong performance against U de M in the semi-finals, they lost in overtime 1-0.

Strong play for the Huskies this



Left: The McGill Redmen may have had a secret weapon, thinks cartoonist Greg Brown

Thanks Dal!

During the Atlantic Bowl, a group of Dalhousie students were on hand to root for the Huskies. They flourished a huge banner which proclaimed "Dal-U, Go-SMU". Thanks for the support Dalhousie!

Below:

A picture is worth a thousand words! Defensive back Jim Fitzsimmons walks off the field with the Don Loney Troph, which he won as the most valuable player in the Atlantic Bowl. It doesn't seem to make up for the overall disappointment of losing to the McGill Redmen (Wamboldt-Waterfield photo)

year was displayed by forward Mary Ellen Jackson, who was among the league's leading scorers, and Marcia Kissner. Rookie Heather Andrews had an excellent season and was named to the CIAU's second all-star team.

Hockey

The hockey Huskies are looking stronger this year, with a preseason of 1-0-1, defeating last year's finalists, the X-Men, 6-4 and tying the Blue Eagles 7-7. Coach Randy Nesbitt is optimistic about his team's chances in a very competitive league. Five OHL players have been recruited, as well as local junior stars Steve Brown and Colin Power. Huskies fans should have a good deal to cheer about during the 1987-88 campaign.

Women's Basketball

Coach Jill Jeffrey hopes to improve upon the disappointing 1986-87 season. She has been recruiting for the past six months and predicts that the Huskies will surprise many opponents this season. Key recruits include Cindy Flynn, an exciting point guard who played for the NB Junior Elite team this past summer, and Allyson Cushing, a young forward from Yarmouth who has great potential. Returning senior Lisa LaMore and veteran Shannon Byrne will add experience to a youthful Huskies roster.

Men's Basketball

Coach Allan Waye is optimistic about improving last year's record of 9-9, but knows that repeating as AUAA champions will be difficult. Last year's team is intact except for the departure of AUAA all-star Mike Williams. Many of the recruits are looking strong and competition for starting positions is fierce. A tough line-up of exhibition games was scheduled in the USA to help the Huskies prepare for the 1987-88 season, which opened November 22.





Penny Kitchen - Pioneer



You may have seen first-year Commerce student Penny Kitchen. She is more easily recognised than most students because of her wheelchair and the full time attendant who helps her in class.

Penny considers herself a pioneer. She is the most profoundly disabled student yet to enroll at Saint Mary's, but she hopes many like her will follow. Ask whether she thinks her example will help others in her situation, and she almost bounces out of her wheelchair in enthusiasm to say "yes". Penny communicates with her expressive eyes and her glowing expression. It doesn't take long to understand what she is trying to say because she throws her entire self into her answers.

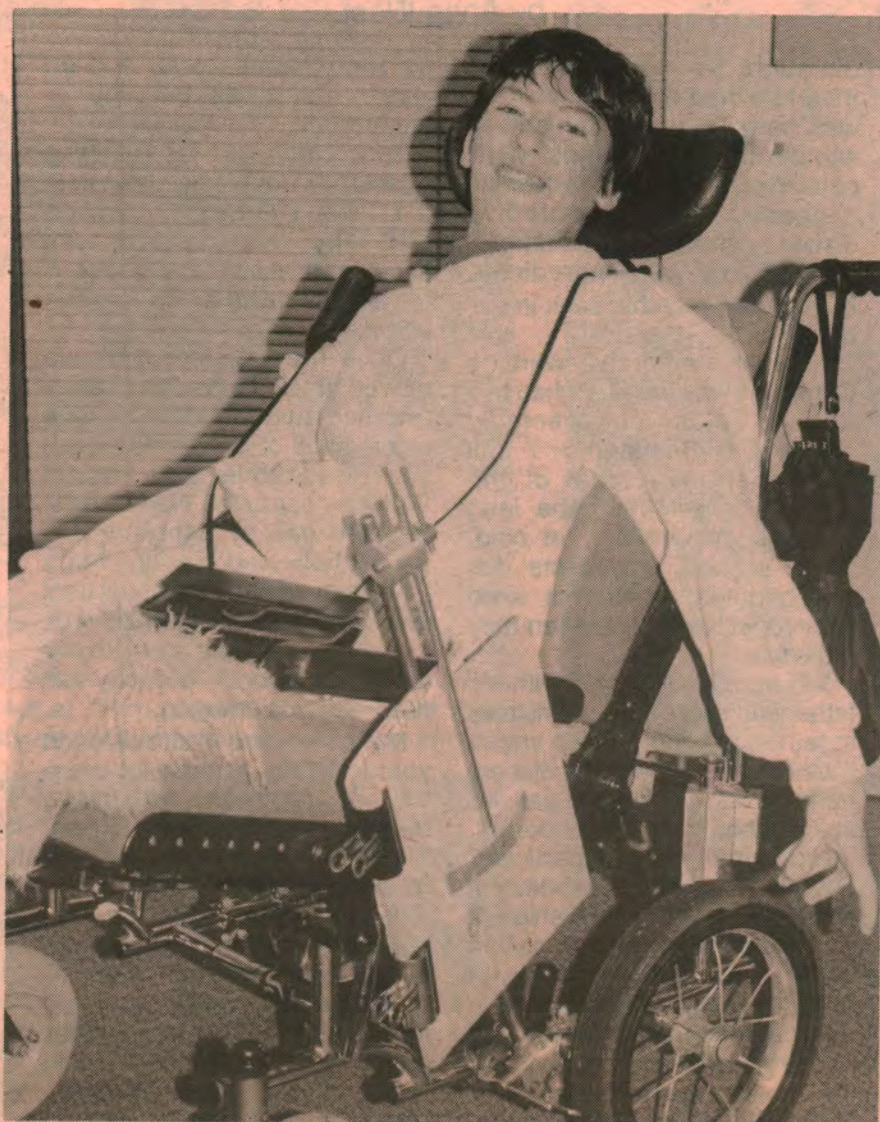
When you do communicate with Penny, sometimes with the help of her mother or her attendant, you discover that inside the limitations of her body is a brave, independent, intelligent and funny spirit and that she is just like you and me. As her mother says, "There is not much she doesn't like that most women like".

Penny loves clothes and shopping at the MicMac Mall is one of her great delights. She recently won a set of hair colours at Halifax's Festival of Fashion weekend and, with the help of her mother and sister, is now trying out all the options.

Mardi Gras was a delight for Penny. Her sister disguised the wheelchair as a coffin and made Penny up as a corpse. "It was wonderful" her mother interprets, "I didn't feel disabled because nobody could see the wheelchair".

Ask Penny what she would like to do most and she indicates she longs to visit China and see the Great Wall. A little closer to home, she wants her father and brother to build her a toboggan so that she can ski at Wentworth. Last year she had the thrill of going down the slopes in the grooming truck, but this year she wants to get closer to the real thing.

A great moment in her life was meeting Rick Hansen in Bedford last year, during his Man in Motion tour. She has a poster of him in her bedroom and is rueful over the



Penny Kitchen (West photo)

fact that he is now married.

Here at Saint Mary's Penny is auditing one accounting course and going for a credit in economics. Because studying takes her longer than other students, it may take her eight years to get a degree, but she is determined to do it. She chose commerce in the hope that eventually she will be able to work at accounting, perhaps within a small business run by a group of disabled people.

At present Penny does all her tests at home, but the Atlantic Centre for Disabled Students will soon acquire a piece of computer equipment that will enable her to operate the computer at the Centre by means of a light attached to her forehead. Computers are a vital part of her life. Using her faithful Apple, she

not only can communicate with family and friends, but makes banners for family events and also makes her own greeting cards and plays chess.

When Penny was little the family lived in Ontario. She had a tutor at home for grade 1, but went into regular school for grade 2. At that time she was able to use a typewriter for her studying.

When Penny was ready to move into grade 4, the Kitchens moved to Nova Scotia, where the school system would not accept her. She missed grades 4, 5 and 6, but finally got back to school in junior high and went on to complete grade 12. Ask her which is her favourite subject and she gives beaming assent to maths.

Penny decided to attend Saint Mary's because of its special services for the disabled. She

agrees very positively when asked if she is pleased with the help the University is giving her and says "Yes" in no uncertain terms when asked if going to university makes her feel more independent.

She does admit that sometimes her disabilities are very frustrating and makes it clear that the hardest thing to bear is not being able to communicate quickly with people. She has a board to indicate letters on and she and her mother have worked out a quick way of spelling words, but even so it takes a very sunny nature to accept these limitations.

Classwork is something both Penny and her attendant Darlene Emerson are learning to cope with. Darlene is a friend of Penny's who offered to be her attendant when she decided to go to university. Darlene has considerable experience working with disabled people, but says she has never worked one on one before. "This is a pioneer project for both of us," she says, "I think it is going to be an important part of what the future holds for the disabled".

Penny's Accounting professor, Frank Dougherty, is delighted to have her in his class. He says, "You think you run through life not doing that much, then occasionally you feel you accomplish something. Helping Penny is one of those opportunities.". He adds, "It is going to take her much longer, but if we work hard with her, there is no reason why she cannot pass".

Outside class Penny has a busy life. She has many friends, is on the board of DIAL, the Disabled Independence Alliance consumer group and is a member of the Cerebral Palsy Association. Through a program called Peer Partnership she is able to enjoy visits to shows and other treats with her special friend Arlene.

Penny's sister Patricia is now at Dalhousie and plans to go into occupational therapy. Her mother is involved in a number of groups fighting to gain help for disabled people so they can achieve their full potential and live with dignity. One of Penny's few strokes of good fortune is a close, loving and supportive family.

STAFF CHRISTMAS PARTY

The annual Staff Christmas Party will take place in the McDonnell-Hennessey Student Centre Cafeteria from 4:00 to 6:00 pm Wednesday, December 16.

CHRISTMAS CLOSING

The University will be closed from noon on December 23 until January 4

Christmas in the shadow of war

by Anne West

My earliest memories of Christmas are from the war years. My father was away at sea and my mother struggled to keep Christmas alone, never knowing from one day to the next whether he was alive. She must have succeeded because all I can really remember is the warmth and excitement.

Our home was on the south coast of England, right in the middle of the heavily bombed military zone. We became "evacuees" when my mother took my sister and I to a farm in the north of England, where the only reminder of war was German planes droning overhead at night to bomb nearby coastal towns. There was also the daily ritual of listening to the BBC news, hoping not to hear that my father's ship had been sunk.

Rationing was strict and sweet things almost non-existent in our diet. I remember the utter joy of opening my stocking one year and finding a whole package of Jello. In those days it came in solid, chewy form. The same year, by some miracle, a doll appeared for me. Christened 'Pat' and my constant companion for years, she was immediately designated a 'Sunday doll' since heaven knows when another would be available.

Improvisation was the name of the game in those days and

although we kept hens and therefore had eggs, other food was hard to get. I remember wonderful cakes made with paraffin oil (a laxative!) instead of margarine and my mother's distress when her Christmas cake, made with ingredients hoarded for months, sank in the middle.

Another memorable wartime Christmas was the one when my father's ship unexpectedly docked in Scotland. I still remember the ordeal of the journey to join him; the long hours spent waiting on cold, dark station platforms for unscheduled trains that were packed with soldiers when they did come.

We were finally united with my father and spent a real Christmas together, although I have vague memories of my sister's diapers hanging damply round a gas fire in a tiny boarding house room.

High point of this particular Christmas was a wonderful children's party on the ship. It was a party such as only sailors know how to organize. I remember my delight at the nautical joke which designated us the 'Miss-Chiefs' because my father was the chief engineer on board. Under the Christmas tree lay a real artist's palette, complete with oil paints. I longed for this, but when my turn came, my mother made me choose a model battleship made

by one of the sailors. A good lesson, I suppose, but bitter at the time.

That party had far reaching effects. I developed measles; the Captain of the ship caught it and the war effort was sabotaged while the ship waited in port until the quarantine period was over.

Once the war was over we moved back home, my father returned and we developed a whole ritual of Christmas. Each year we drove our ancient Wolesley car to the 'New Forest' (planted *new* by Henry VIII), to gather holly and ivy and cut a Christmas tree. This annual treat involved a picnic lunch with what we considered the most exotic food in the world - a pastry flan filled with fruit and jello.

My sister and I strove each year to fill the house with crepe paper garlands, mistletoe boughs, candles and icicles. These icicles were made by rolling narrow strips of aluminum foil, then pulling out the end. We were told that the foil had been invented during the war to be thrown out of planes to help them evade detection by radar during bombing raids! It was only years later that we discovered how much my mother hated the way these gaudy decorations spoiled the orderly elegance of her home.

Over the months before Christmas the store cupboard

would gradually fill with puddings, cakes and mincemeat and woe betide you if you were not on hand to stir the pudding and make a wish. Eventually a large chicken would appear, and also a piece of ham. Two kinds of meat seemed the ultimate luxury.

As the final preparation for Christmas, we often travelled to a nearby market town to buy fruit and vegetables. By the time we got there, it was always cold and dark, with mists creeping up from the river. In the main street, however, the fog and darkness were dispelled by light from the blazing open shop fronts. These were piled high with wonderful fruit, vegetables and nuts which, to children who did not see a banana until the war ended, seemed quite oriental in their splendour. Money was always tight in our home, but on Christmas Eve economy was forgotten. Thanks to careful saving in the months before, my mother bought grapes, tangerines, oranges, pears, nuts and apples without stint.

Over the years I have few memories of Christmas Day itself - the only one that stands out was the year we had a goose. My sister was violently ill just after dinner and missed most of the fun.

Shandong Scholars



This year's Shandong Scholars arrived just in time to enjoy a meal provided by the Chinese Students Association during their October 13 fund raiser. L to

R: Hong Mei Mu, Dean of Arts Dr. Jim Morrison, Mai Ying Shi and Ming Wn Qu (West photo)

Gorsebrook publishes Atlantic Canada Study

The Gorsebrook Institute recently published a collection of essays entitled *People, Resources and Power: Critical Perspectives on Under-development and Primary Industries in the Atlantic Region*. The book is edited by Dr. Ian MacKay and Gary Burrill. MacKay is a professor of history at Dalhousie University and was a post-doctoral fellow at the Gorsebrook Institute last year. In their introduction, the editors say "This book is about resources and the reasons why the working people of the Atlantic region have derived so little benefit from the natural wealth which surrounds them".

The book brings together articles on agriculture, fishing, forestry, mining, and energy and looks at what the authors see as the hidden wounds capitalism has inflicted on the region's environment.

People, Resources and Power is the first volume in the "Gorsebrook Studies in the Political Economy of the Atlantic Region", a series the Institute is publishing in association with the Acadiensis Press of Fredericton.

Continuing Education sponsors conference

Saint Mary's Continuing Education Department, the Nova Scotia College of Art and Design and Dalhousie University sponsored a conference on "Sizing up the Synergy" in October. L to R: Director of Continuing Education, Jim Sharpe, Claudette Beaulieu, Directrice education permanente, Université de Moncton, Douglas Myers, Dean of Dalhousie's Henson College, and speaker Jaffray Wilkins, Vice-President Designate of the Atlantic Canada Opportunities Agency (West photo)



Early newspapers provide historic clues

HALIFAX, 8th May, 1783.

RAN Away a smart Well-looking Negro BOY, named Peter, about Seventeen Years of Age; had On when he went a way a blue Jacket; round hat, New Trousers of white Duck; new Shoes and large plated Buckles; he is round faced, speaks broken English, and when spoke to has a remarkable Smi e on his Countenance, short and stout maid; has been used to the Carpenters business, and may attempt to, pass for a free Man; this is to warn all Masters of Veffels and Others not to harbour or Carry of said Negro, as he is the property of the Subscriber; any one that will apprehend the said Negro so that his Master may receive him, Shall receive Eight Dollars Reward from.

HUGH KIRKHAM.

N. B. If he is stript he has his Country marks on his back in the form of a Square, thus.

Any Person harbouring or Concealing said Boy will be prosecuted to the utmost rugoir of the Law.—if he returns of his Own Accord tacer. will be nothing done to him.

The Gorsebrook Institute has received a \$60,000 grant from the Social Sciences and Humanities Research Council (SSHRC) for a project that will see a team of researchers analysing 1,828 early Nova Scotia newspapers dating from 1752 to 1799. The research is part of the ongoing Atlantic Canada newspaper survey.

Debra McNabb, project co-ordinator, is a research associate with the Gorsebrook Institute She and Gorsebrook Director Dr. Ken McKinnon are co-investigators for the project. The research will involve hiring seven people, including supervisor Alan Cash and a data entry operator who will put all the research results on disk for transfer to a computer in Ottawa.

The researchers will scan microfilm of old newspapers stored at the Nova Scotia Archives, looking for all

information which might give a clue to the history of the province. Debra says, "The project focuses on advertisements and announcements of events, theatre performances, notices about runaway slaves, schools, land sales, debt settlements and things of that kind".

When complete the information will be stored on a computer in such a way that researchers can call up all the information that is available by specific subject.

The current project runs for one year and Debra hopes it will be possible to check all the 18th century papers in that time. The group is also anxious to start working on the 19th century as soon as possible.

Researchers who are looking for the type of information which the survey will provide can contact Deborah at 420-5668.

Hey Kids!



Santa's inviting you to

A Christmas Party

Sunday, December 13, 2:00 to 4:00 pm

in the
O'Donnell-Hennessey Student
Centre Cafeteria

Entertainment by Rosie and Sora

To help make it a Merry Christmas for all children, please bring a small gift labelled 'boy' or 'girl' to give to a local charity.

Bring your parents too, and tell them this is a "pot luck" dessert party; they can bring a dessert, cookies, etc. and we will provide juice and coffee.

This party, sponsored by the Saint Mary's Faculty Women's Association, is open to all children in the University.

Capital Campaign



Gary Gross (L), Vice-President Marketing for Oland Breweries Limited, presents Dr. Kenneth Ozmon with the fourth installment of a \$50,000 pledge to the University (West photo)



The Resolute Amateur Athletic Club has donated \$5,000 to the University to provide a perpetual bursary of \$500 for a student who excels in leadership on and off the playing field. L to R: Executive Assistant to the President, Bob Hayes, University President Dr. Kenneth L. Osmon and Bob LaFond, a member of the Management Committee of the Club (West photo)



Halifax Chamber Musicians

The Gallery Series: 1987-1988

8:00 pm, Sunday, January 31, 1988
Saint Mary's Art Gallery

Beethoven: Violin Sonata
Francaix: Divertisement for bassoon and string quartet
Dvorak: Piano Quintet in A Major, Op. 81

Performers will be William Tritt, Philippe Djokic, Anne Rapson, Ivor Rothwell, Andrew Simpson and Pierre Djokic.

Management Accountants sign agreement with University



Signing the agreement. L to R: Dr. Kenneth L. Ozmon, Dr. Frank Dougherty and Don Connor of the Society of Management Accountants (Photo '67)

The Society of Management Accountants in Nova Scotia and Saint Mary's University recently signed an agreement enabling the University to offer the Society's pre-accreditation educational program.

Beginning in May, 1988, Saint Mary's will offer degree credit courses which will prepare CMA students for the final accreditation examinations of the Society. The courses will be available in the evenings and may be taken by lecture or seminar on campus or by correspondence.

The Final Accreditation Examination is the Society's professional entrance examination and students who pass it and have two years of appropriate work experience qualify for the designation of Certified Management Accountant.

"This is a rare opportunity for a professional body and an educational institution to work together", said Gil White, CMA, President of the Society in Nova Scotia. "All too often professional organizations attempt to duplicate the efforts of universities and teach basic core courses of their curricula. With Saint Mary's concentrating on the provision of the preparatory courses, we will be able to concentrate our efforts on the enhancement of the accreditation process. As a result, business, industry and government agencies in Nova Scotia will have access to a pool of extraordinarily well-qualified management accountants".

The Society of Management Accountants in Nova Scotia is a professional body representing

937 members involved in the practice of management accounting. There are 32,000 members of the Society of Management Accountants in Canada.



Christmas LIBRARY HOURS

December 5 and 6
9:00 am to 11:00 pm
December 8 (Patronal Feast)
9:00 am to 11:00 pm
November 28 - Dec. 17
Room L131 will be available for after hours study
Saturdays 5:00 pm - 1:00 am
Sunday - Friday 11:00 pm - 1:00 am
December 17
8:15 am to 7:00 pm
December 18
9:00 am to 5:00 pm
December 19 and 20
Library closed
December 21 and 22
9:00 am to 5:00 pm
December 23
9:00 am to 12:30 pm
December 23 to January 3
Library closed from 12:30 pm December 23
January 4
Normal schedule resumes

Any changes to this schedule will be posted

Science at Saint Mary's



Dr. David Swingler (West photo)

Engineering professor updates Leonardo da Vinci

"We have not moved very far from Leonardo da Vinci" says Dr. David Swingler, Chairman of the Engineering Division, describing his current research project. For the past two years he has been involved in the development of underwater passive listening devices. They have many uses and could be aimed at detecting and tracking vessels in the Arctic, which fits in well with Canada's current preoccupation with maintaining sovereignty in Arctic waters. "The name of the game", says Swingler, "is to be able to detect the presence of vessels within a radius of 1,000 km".

"Leonardo" says Swingler, "got two hollow tubes and stuck them into his ears. He put them into the water and discovered he could hear in different directions".

Today's sonar devices are not that different. What has changed is the way in which the sounds are digitally recorded and analyzed by means of computers, what is called digital signal processing (DSP). Swingler says, "We record the signals from these underwater microphones over a period of time, take these recordings and digitize them and play games with them on the computer. We take a stream of digitized data and analyse it in various ways on the tape. From the games we play, we are supposed to be able to detect where the sound sources are, what they are and how far away they are".

Swingler adds, "This field is growing as the power of computers grows and the cost of

computers shrinks. DSP tends to be rather a greedy activity as far as computation time is concerned, but now we can do more and more sophisticated things with smaller and smaller computers.

Analyzing the sounds can be complicated because "In a real scenario we have these listening devices on the bottom of the ocean. The sound not only travels directly from the ship to the listening device, it can also get there by bouncing off the bottom of the ocean and by internal reflection from the underside of the ocean surface. Then you do not know whether you have multiple vessels or multiple signals from the same vessel. We have to sort this out as best we can".

At present Dr. Swingler is doing his research by making computer models of these situations. He is working this way because "It is very expensive to go and build recording devices and stick them in the Arctic". If all goes well tests could be conducted in the Bedford Basin for the next stage of development. He says, "We are quite close to development work that, if successful, might actually be applied", but he qualifies this by saying, "Like all research, it is quite hit and miss".

Signal processing is a growing field and Dr. Swingler recently attended a conference in Dallas and Tokyo organized by the American Institute of Electrical Engineers at which over 1,000 people gave papers.

Passage to India for Sociology professor



Dr. Helen Ralston, RSCJ

Dr. Helen Ralston's most recent sabbatical was an adventure in every sense. From 1983 to 1985 she criss-crossed the Indian sub-continent by bus and train, studying the history and present state of the Christian ashram movement. Dr. Ralston did not count the miles she travelled, but a glance at the map which prefaces her new book, "Christian Ashrams", is awe-inspiring.

Dr. Ralston began her passage to India in 1979, when she was invited to lecture at Sophia College, an affiliated women's college of the University of Bombay. Her interest in Christianity as a minor religion in India led her to focus on the ashram movement. That sabbatical year was aborted by a detached retina but the postponement gave her more time to prepare and enabled her to extract every ounce from the project when it finally materialised.

Ashram is a Hindu word. Dr. Ralston says, "Ashram is best understood as a community, although the word is often applied to the place and the building. But the ashram grows up around a spiritual leader called a guru, and his or her followers create a community in their relationship with the guru, so that the core of the ashram is the guru/disciple relationship".

She describes the Christian ashram movement as a "Conscious commitment to indigenize Christianity in a dominantly Hindu culture" and says, "They all see Christ as the guru". It began in the 1920's, with the Protestant churches in India. These first Christian ashrams, she says, "Were closely linked with the nationalist movement in India. We are talking about a small number of Christian Indians and sympathetic British and American missionaries who were leaders of the

movement".

"The Catholic ashram movement", says Dr. Ralston, "had quite a different origin. It began after Indian independence in 1947. Again, it was among European missionaries, but these were monastics who saw the ascetic monastic tradition as being very much in tune with Hindu asceticism and monasticism. You find that the Protestant ashram movement was much more oriented to political and social action, whereas the Catholic ashram movement was and is much more contemplative in its approach. It has been fostered by the Second Vatican Council, which promoted indigenization of worship".

While she was in India, Dr. Ralston, who is herself a member of the religious order of the Sacred Heart, which has two ashrams in India, visited some 20 Hindu ashrams as well as 30 Christian ashrams. She says, "I spent two months in Rishikesh in the foothills of the Himalayas, living in a Hindu ashram, being immersed in that tradition". She was also invited to a very famous Hindu ashram, Shantiniketan (now Visva-Bharati University), which was started by Rabindranath Tagore, the Indian Nobel prize winning poet who made history by refusing a knighthood in the cause of Indian independence. She was invited to speak at this ashram by Mahatma Gandhi's grandson.

Dr. Ralston's research was supported by a fellowship from the Shastri Indo-Canadian Institute, and her book, which she typeset and laid out in the University Maclab, is published in Toronto by the Edwin Mellen Press. She hopes one day to return to India and says, "I am using my experience in India to study South Asian women in Atlantic Canada".

People

Recent activities of faculty members, staff and students

Psychology

Dr. Brent Vulcano presented three papers at the meeting of the Canadian Psychological Association in Vancouver last June. They were entitled "Test of a theoretical model to predict adolescent drug use", "Predictors of life satisfaction among retirees living in the community", and "The association of sex, sex-role, and sex of protagonist with level of moral judgement". He also presented a paper entitled "Adolescent drug use" at the fourth International Conference on Treatment of Addictive Behaviours, in Bergen, Norway.

Economics

Dr. P.L. Arya attended the Atlantic Canada Regional Conference on South Africa held at Saint Mary's University in September.

Philosophy

Dr. Richard Bels delivered a paper entitled "Pornography, sexual equality, and respect for persons" before the Congreso Internacional Extraordinario de Filosofia in Cordoba, Argentina, last September.

English

Professor George Hallett recently gave a presentation entitled "Origins of business terminology" at a monthly meeting of the Halifax Personnel Association.

Dr. Terry Whalen was a panelist on the panel "Book Reviewing" at the Writers' Federation of New Brunswick Conference in Saint John, NB last April. Also in April, he presented a paper entitled "Howard O'Hagan's *Tay John* and the issue of canonicity" at the Northeastern Modern Language Association (NEMLA) in Boston, Mass.

Management

Dr. Hermann Schwind (with R. Adams, McMaster University and R. Peterson, University of Washington), presented a paper on "Personal value systems of Japanese trainees and managers in a changing competitive system" at the Academy of Management meeting in New Orleans.

Astronomy

Dr. Mario Pedreros was in Chile early this year for an extended observing session with the 1.0 m and 0.6 m telescopes of the Cerro Las Campanas Observatory. This is the site from which Supernova 1987A was discovered by the University of Toronto's Chile Resident Astronomer Ian Shelton in the last week of February. Mario had the bad luck to miss out on the

detection of the 160,000 year-old light signal from this supernova by only about two weeks.

China Program

Elizabeth Amerongen will be the interim Co-ordinator of the Atlantic Region Orientation Centre until next March. She has been appointed to this position while Judy Matthew is on maternity leave.

Registrar

Registrar Elizabeth A. Chard was re-elected a member of the Board of Directors of the Canadian Bureau for International Education at the Bureau's recent annual conference and general meeting. The appointment is for a two-year period.

Irish scholar gives lecture series



Dr. Tom Power delivered the Fall Lecture Series for the D'Arcy McGee Chair of Irish Studies. The theme of the series was "Atlantic Canada's Irish Homeland in the era of Emigration, 1750-1830" (West photo)

History

Dr. Colin Howell has recently been appointed co-editor of the *Canadian Historical Review* for a three-year term. The senior historical journal in Canada, the *CHR* was founded in 1920 and is published by the University of Toronto Press. Over the years the most prominent historians of Canada have been numbered among its editors. The appointment of Dr. Howell reflects a growing recognition by the *CHR* of Canada's regional character. For the past three years Dr. Howell has served as the Atlantic Region's representative on the Journal's five-person advisory board. It is his hope that the journal will provide to its readers innovative work from the various regions of the country and from within the many sub-disciplines of history.

Dr. John Lee was appointed co-ordinator of Asian Studies in September.

Dr. Elizabeth Haigh attended a conference on "The birth of modern British medicine, c. 1760-1840" at the Royal Institution in London, England, and presented a paper entitled "William Brande and the chemical education of medical students".

President

Dr. Kenneth L. Ozmon was recently elected to the 11-member Atlantic region board of the Association of Universities and Colleges of Canada (AUCC). The AUCC was founded in 1911 and is composed of 85 universities and

Dr. Helen Ralston was the discussant of a session on "Religion in Canada" at the Annual Meeting of the Canadian Sociology and Anthropology Association at McMaster University last June. She presented a paper entitled "Anglophone and Francophone sociology of religious movements in Canada: the meeting of two solitudes" at the XIX Conférence Internationale de Sociologie des Religions in Tubinge, West Germany last August.

Super-computers

Dr. Kevin Moriarty, a mathematics graduate from Saint Mary's, was recently in Halifax to instruct at a seminar on "Supercomputer Use" held at the Nova Scotia CAD/CAM Centre of the Technical University of Nova Scotia. Dr. Moriarty was appointed Senior Applications Engineer at the John von Neumann National Supercomputer Centre in Princeton, New Jersey in 1986 and was recently made a member of the Institute for Advanced Study in Princeton. He has written a book on vector and parallel processing on Supercomputers which will shortly be published by John Wiley and Sons. He has been involved with computing for 30 years and with supercomputing for 25 years.



MBA student receives CMHC scholarship

MBA student **Joel Baltzer** has received an \$11,000 scholarship from the Canadian Mortgage and Housing Corporation (CMHC). Joel first came to Saint Mary's in 1981 as a geography student and since graduating has worked for the City of Halifax as a planning technician. In his honours thesis at Saint Mary's he studied "Factors influencing the spatial location of residential development in Halifax". He received the Canadian Association of Geographers Undergraduate Award for this work.

Joel returned to Saint Mary's on a part-time basis in 1986 and this year is enrolled full-time in the MBA program with the intention of filling in some theoretical gaps in his practical knowledge of the factors influencing development in Halifax. While studying full time at Saint Mary's, he is continuing to work one and a half days a week for the City of Halifax.

In his application for the scholarship, Joel stated "I intend to take courses that will provide a full understanding of several facets of business administration, yet will concentrate on those that are applicable to real estate development and management". In his final paper, Joel will investigate the problems and prospects associated with providing an adequate urban infrastructure for inner city residential development.

university-level colleges. It promotes co-operation among Canadian institutions of higher learning and represents the university community to governments and national and international bodies concerned with higher education.

Sociology

Dr. Linda Christiansen-Ruffman presented a paper entitled "Women's conceptions of politics in Atlantic Canada: women's political culture, feminism and the state" at the Third International Interdisciplinary Congress on Women in Dublin, Ireland, last July.

Dr. John McMullan presented a paper on "The crisis of policing in urban Britain" at the 12th Annual Symposium of Provincial Police Commissions, in Halifax, September 1987.



Male models were part of the fun at "Picturesque", a high speed, high fashion display put on by Caribbean students November 7 (West photo)



Party dresses were just part of the wide range of clothes modelled at "Picturesque" (West photo)



Dancer Roseanne Augustus performed during an intermission in the show (West photo)

Caribbean Society runs fashion show

The Caribbean Society put on a fast-paced show November 7. Clothes for all occasions were modelled by a group of students who danced, not walked down an improvised catwalk in the Old Gym. Lights, music, humour and professionalism combined to

make a great evening of fun and fashion. The audience were treated to a look at cosy coats, hats and scarves, sparkling party wear and slinky aerobics outfits.

During the interval dancer Roseanne Augustus delighted the audience with her ballet style.

Former commerce dean receives CIDA funding

Dr. Rick Miner, former Dean of Commerce, will take part in a Canadian International Development Agency (CIDA) funded program to evaluate revenue possibilities for an African management consultancy.

Funding amounting to \$37,946 has been allocated for the evaluation of the potential for expansion of the Eastern and Southern African Management Institute (ESAMI). Dr. Miner will undertake this project with Professor Gabina Mendoza of the Asian Institute of Management. The two men will assess issues such as market conditions, human resource capabilities, revenue

possibilities and revenue alternatives. They will evaluate the possibilities for expansion, identify skills and capabilities that need to be acquired or enhanced and design a tentative action plan for the organization.

Senior class plans graduation

There are 750 students working hard to complete their studies in time to graduate at Convocation on May 9, 1988. Four of those students have been elected to the Senior Class Executive and have added to their burdens the job of organizing the celebrations

for the graduating class.

Fourth-year commerce student Chris Grinham of Bedford is President of the executive and his twin brother, Craig, who will also graduate with a commerce degree, is Treasurer. Stuart MacDonald of Halifax is Vice-President and Olga Manzoni, also of Halifax, is Secretary of the executive.

The executive has held a meeting for all potential graduates. Committees have been set up to organize such fund-raising events as the Broom Ball tournament and dance during Winter Carnival, the graduation ball and other social events during grad week. The team is determined to come up with some ideas that will make graduation unique for the class of '88 and will be meeting after Christmas to get the ball rolling.

In Memoriam

Charles Cosper, son of Dr. Ronald Cosper of the Sociology Department and his wife Dr. Clara Cosper, was tragically killed in a fire which destroyed the family residence in Windsor on Thursday, November 12.

On behalf of faculty and staff at the University, **The Times** wishes to express sincere condolences to the Cospers at this time.

Community Month banner disappears, then reappears, then disappears...



Guy Noel, Vice-President Administration, organizes the barbeque at the President's Block Party. Here he is seen with Shelley Murphy and her brother Jason (Wamboldt-Waterfield photo)

"Welcome to Saint Mary's" said the banner that was suspended across Inglis Street during October, Saint Mary's Community Month. At least, it should have done. Twice during the month Shelley Murphy, who organized the event, had to put out a plea for help because her banner had been stolen. Once it appeared again at the residence desk and the second time it was handed in at the information desk by a sheepish and anonymous Dalhousie student. This year people really noticed that it was Community Month, especially the Halifax police, who now have Shelley in their records as the lady who lost the banner.

Community Month is in its third year and is gaining in popularity. One high spot is Open Class Week, during which more than sixty classes were offered to the public. Final figures are not in yet, but this year the telephone in the public relations office rang constantly during the week. People wanted to know which class to attend, where classes were and how to find them and for many it sounded as though the opportunity to sample university life had become a welcome annual event.

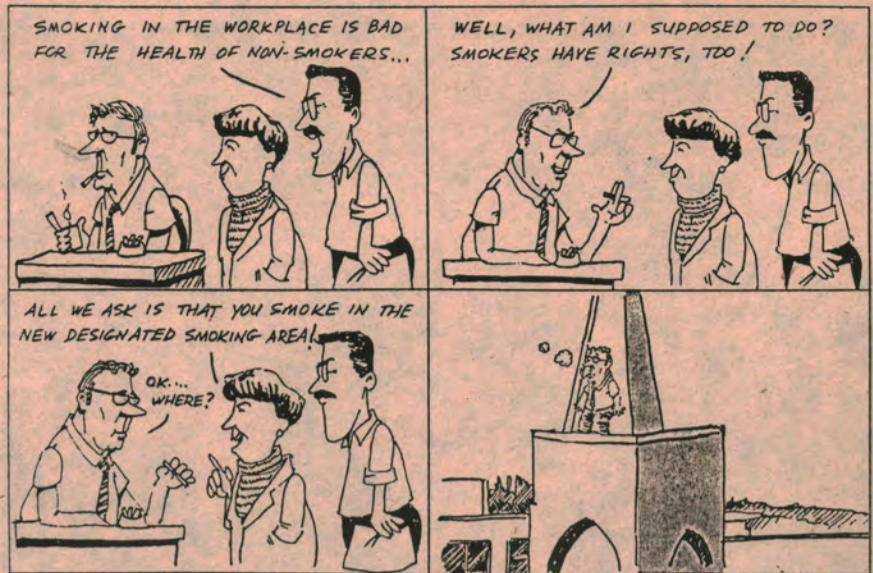
The President's Block Party was another popular event during Community Month. Despite rain and wind, about 160 University neighbours, faculty, administration, staff and students enjoyed a barbeque and children's entertainment at the Oaks on October 18. The party provides an annual opportunity for the people who live around the perimeter of the campus to meet Saint Mary's people.

The Month is a celebration of the partnership between the University and the community and this year the community seemed more eager than ever to take part in events on campus.

In Memoriam

Student David Higgins died on October 24 as a result of falling down a railway embankment in the south end of Halifax.

On behalf of the faculty and staff of Saint Mary's University, **The Times** wishes to express sincere regret and sympathy to David's family and friends.



Do you recognize these people?

Smoking areas favoured

Most of the people who responded to a questionnaire on smoking circulated recently by the University's Occupational Health and Safety Committee favour restrictions on smoking on campus and designated areas for smokers.

Early in October a sub-committee of the Occupational Health and Safety Committee circulated 600 questionnaires. Of the almost 400 people who returned them, over eighty per cent were non-smokers.

Just before distributing the questionnaires, the committee held an open forum on smoking as part of Occupational Health and Safety Day on October 8. Sub-committee chairman Mike McCarty was pleased with the forum and says, "There were about 40 to 50 people present. About 30 per cent of them were smokers, which is not too far from what we see in response to the questionnaire and from what I understand the national average to be". Members of the sub-committee are Elaine McCulloch, Margot Schenk and Maureen Summers. This group is now preparing a recommendation which will be submitted to the Occupational Health and Safety Committee and, if approved, will then be presented to the University administration as the committee's recommended policy.

Looking at an analysis of the

completed questionnaires, it appears 118 students responded, 118 faculty members, and 152 staff members. Asked whether they favoured a total ban, the people who responded were almost equally divided between "Yes" and "No", but when questioned about designated smoking areas almost 90 per cent said "Yes", and more than 80 per cent were against unrestricted smoking. Asked to consider particular areas of the University, the majority were against smoking in classrooms, the cafeteria, the library and washrooms, although a small majority favoured smoking in offices.

Commenting on the results, Mike says "One conclusion we have drawn is that there is a very strong pre-disposition towards designated smoking areas and that will almost certainly be our recommendation". He adds that these areas "Will not qualify unless they meet ventilation specifications for designated smoking areas". He also says "We do believe that we are going to recommend that some form of stop-smoking program be made available to people in the community in order to prepare them for a particular date when the policy will go into effect". Mike is delighted that there was such a positive reaction from smokers and non-smokers alike.

Four Presidents at Alumni gathering

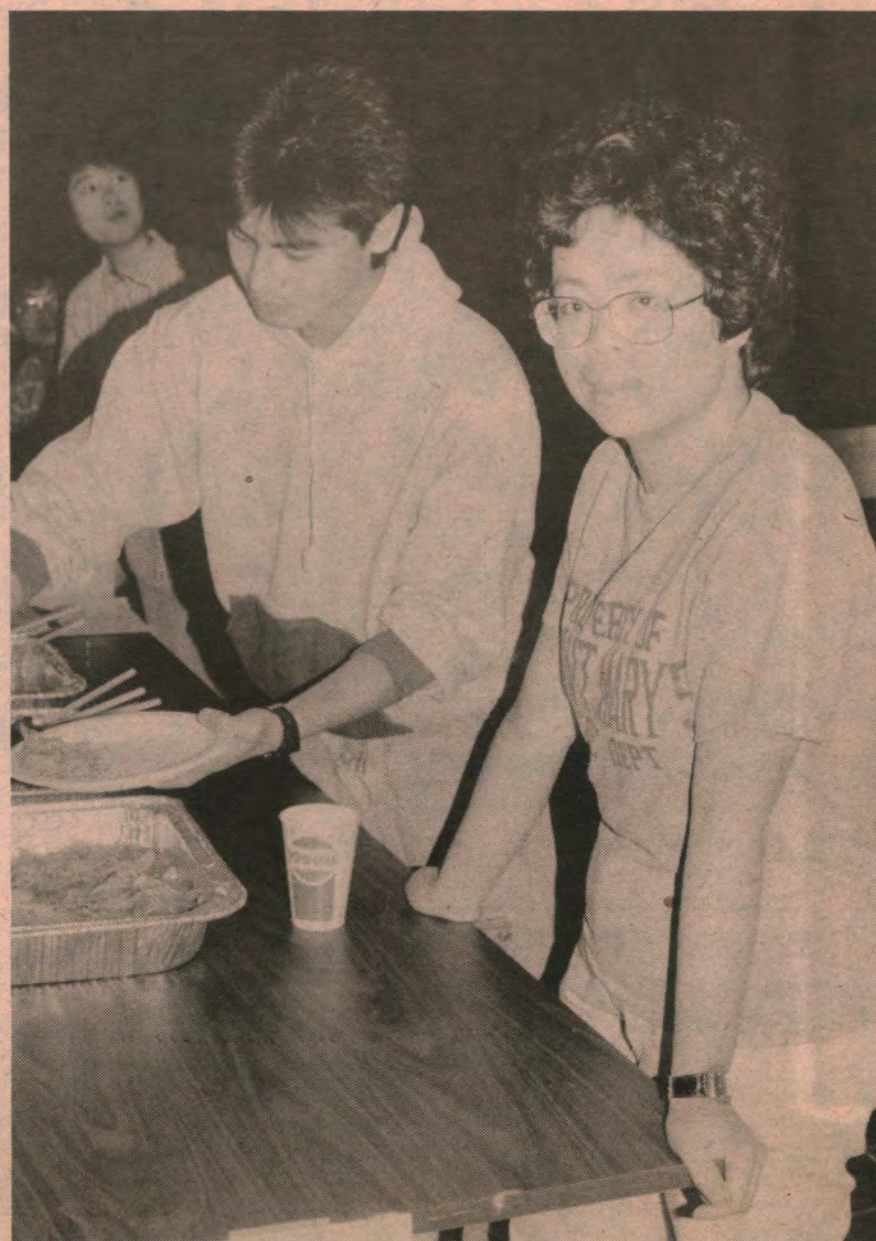


Four University presidents met to chat at October's Alumni dinner. **The Times** managed to catch three of them. L to R: Dr. Henry Labelle (1967-1969), Father Frederick Lynch SJ (1950-1956), and Dr. Kenneth L. Ozmon who came to the University in 1979 (West photo)

Chinese students help Capital Campaign



University Advancement Director Don Keleher and Alumni Officer Geraldine Dunnigan sample the Chinese food (West photo)



"Chinese meal helps Capital Campaign"

The Chinese Students Association recently held a fund-raising Chinese lunch on behalf of the Capital Campaign. Association President Michelle Kan is seen here supervising the event. (West photo)

Delicate images at Art Gallery

Until December 13 the Art Gallery is providing an opportunity to view the first Halifax exhibition of Cape Breton artist Taiya Barss.

Since immigrating to Canada in 1973, Taiya Barss has made her home on Boularderie Island. She derives much of her imagery and

inspiration from this country setting of lakes, forests and ponds. Her paintings communicate to us her own quiet

reverence for and celebration of nature. She focuses on selected fragments and intimate microcosms of a much larger natural world.

Butterfly wings, leaves, frogs, loons and other natural objects are the subjects of paintings which Taiya builds up by applying layers of transparent watercolour to build up a lively luminous surface rich in texture and subtle hues.

The exhibition, "Turtle Soup", takes its name from what is probably the least typical of all the paintings. It shows a tiny turtle surfacing in a bowl of soup.



Opening night at the Art Gallery. Silver Donald Cameron (L) talks to artist Taiya Barss and gallery director Leighton Davis. Cameron performed the opening of the current gallery exhibition (West photo)

Dr. C. Henry Reardon Health Centre MORNING HOURS

Starting January 8th, 1988 the Health Centre will be open every Friday morning from 9:00 am to 12 noon on a trial basis. Dr. Harley will be in attendance.

Afternoon hours on Monday, Tuesday, Wednesday and Thursday will continue to be from 1:30 pm to 4:30 pm.

Freshmen aim for 1992 Olympics



Would be Olympic helmsmen Colin Guthrie (L) and Terry Yuill (West photo)

Colin Guthrie of Lunenburg and Terry Yuill of Dartmouth have a gameplan that they hope will put them on Canada's sailing team for the 1992 Olympics.

Colin is a first-year Arts student at Saint Mary's and Terry is enrolled in Commerce. Along with Dalhousie freshman Billy Adams of Halifax, they hope to represent Canada in the Soling class. These are 27ft long, three-man keelboats. All three have been involved in competitive sailing at the junior level, but last summer they decided to try out a Soling. "This summer was a test" says Terry, "to see whether we will go through with it". They rented a Soling, thought it great, then decided to buy one. Their first major regatta was in Sarnia, Ontario, "It was a 28-hour drive" they say ruefully. In Sarnia they came 8th out of 13 boats, were fifth Canadian boat and established themselves as part of Canada's development team in this class.

Qualifying for Canada's Olympic team is a long process and the

students will devote their summers to it from now on. Such a project cuts out the summer jobs that help most students through the year. Not only will they be unable to earn, they must also finance the high cost of training. They hope to receive some government help, in addition to the generous support they are already getting from private donors.

The next five years will see the crew training hard on their own, racing against other local teams, and attending as many national and international regattas as they can. "We want to test out what we have learned against the best in the world" they say.

The team is optimistic because it has time on its side. Colin says, "I am 20 and the other fellows are 19. We are the youngest Soling team in Canada by five years".

They have had coaching and support from Nova Scotia's Soling entry for the 1988 Olympics and from the province's most famous young sailors, Laser crew Morag McLean and Judy Lugar.

University neighbour wins Tower trip



Wellington Street resident Marie DeYoung won a free trip to Montreal for two courtesy Canadian Airlines International and Uniglobe C.C. Travel Ltd. The trip was part of a special contest held in September for people who renewed their **Tower** membership or became new members. She is seen here receiving her prize from (L) Patrick Crowley, President of Uniglobe and J. Steven Dodge, Nova Scotia Sales Representative for Canadian Airlines (West photo)

Free Trade on Campus



Stewart McInnes, Federal Minister of Public Works, spoke to students about Free Trade November 10 (West photo)

Reception for retiring members of the Board of Governors



A special presentation was made to Heather Davis by Mr. Harry Paton, who is Vice-Chairman of the Board. Heather has retired as recording secretary, a post she has held for the past 12 years, and is now working in the Senate office (Stevens photo)

A reception was held recently in honour of the retiring members of Saint Mary's Board of Governors. Board members are usually appointed for a three-year term (all appointments are renewable), except for student members who are appointed for one year.

Members who recently retired include: Dr. Mike MacMillan, Mr. James Crane, Mr. Robert Shaw, Dr. Nathan Kling, Mr. Mark Bower, Ms. Patricia Brown, Mr. Kelly Shannon and Mr. David Smart.

Dr. Ozmon on TV
University President Dr. Kenneth Ozmon will appear on ASN (Channel 4) on Saturday, December 19 at 10:00 am. He will discuss issues related to the National Forum on Post-Secondary Education. The program is part of the Colloquium series produced by the DUET team at Mount Saint Vincent University.

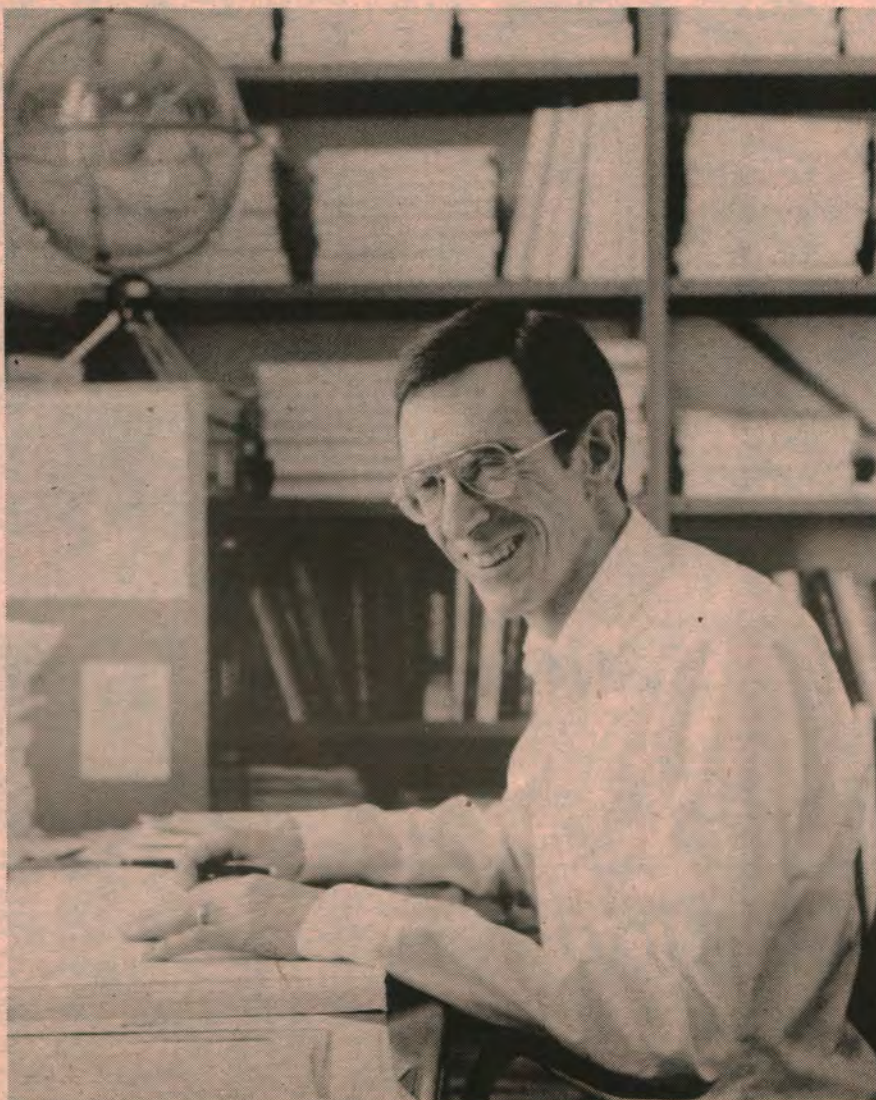


George Mitchell - Astronomer

Astronomy is a field with many amateurs, but few professionals. Dr. George Mitchell, Chairman of the Astronomy department, is one of only 150 members of the Canadian Astronomical Society. He has recently been invited to become a member of the Grants Selection Committee for Space and Astronomy of the National Science and Engineering Research Committee (NSERC), but had to postpone accepting this honour until next year. The annual awards meeting coincides with an appointment he has at an observatory on Hawaii.

George Mitchell was born in Scotland, but came to Canada at the age of six. He grew up in Ontario and did his undergraduate degree at McMaster University. "It was a very high sounding degree", he jokes, "in applied mathematics and theoretical physics". He then went on to the University of Toronto to do a graduate program in astronomy. He says, "I never had an astronomy course as an undergraduate. After my undergraduate degree it seemed to me that I had a choice between the very small and the very large. The action in physics is in fundamental particles and their interactions. The other great area is cosmology, the study of the universe in the large, which is part of astronomy. I chose the latter. We know now, of course, that particle physics and cosmology are intimately related".

Mitchell describes astronomy as a pure science. He says, "What we are after has no immediate practical application. Its purpose is simply to find out. It is as basic as anything can be". He has never regretted his choice of subject, and says "It is a vast area in which one can do different kinds of things. There is room in it for the theoretical physicist and for the person more interested in observing through big telescopes and sometimes you can do both of those". He adds, "The interpretation of things astronomers deal with involves almost all other areas of science, physics, chemistry, geology and perhaps



Dr. George Mitchell (West photo)

one day biology. It has everything".

After obtaining his doctorate from U of T, Mitchell went to London for two years on an NSERC post-doctoral fellowship and studied relativity at King's College, London University. From there he came to Saint Mary's Physics Department in 1969 to teach astronomy. Father Burke-Gaffney had started a tradition of astronomy teaching at the University, but had just retired. Mitchell remembers, "The University and in particular Bill Bridgeo, who was then Dean of Science, wanted to continue astronomy here".

Mitchell has been at Saint Mary's ever since, with the exception of two sabbaticals. In 1975 he went to the Hahn-Meitner Institute for

Nuclear Studies in West Berlin. There, he says, "I got into a different field, that of interstellar chemistry. At that time, more and more molecules were being discovered by radio astronomers in gas clouds and the interpretation of these was an exciting field".

Mitchell's next absence was in 1978, when he spent a year at the NASA Jet Propulsion Laboratory in Pasadena. Here he studied interstellar gas with particular emphasis on chemical modelling. During this time he remembers the great thrill of being on hand when the Voyager space mission made its first fly-by of the planet Jupiter. He says, "This was really the most thrilling encounter of the whole mission to date. I did not imagine the magnitude of the effort

required until I was among the people doing it. Literally hundreds of people were involved in all stages of the mission". During this fly-by technicians were controlling a camera on the space craft which photographed each of Jupiter's moons in turn. He says, "The camera had to be pointed at every object that you wanted to make an image of. This might take a minute, then it had to slew to another object". Since it took half an hour for signals to travel to Jupiter 1 billion km away, it required a whole team of celestial mechanics continuously to recalculate the positions of the moons in order to program the sequence of events ahead of time".

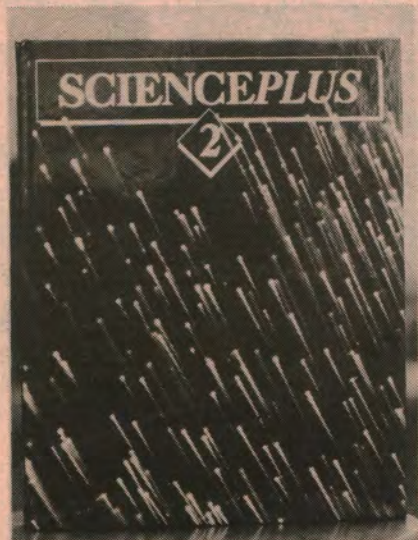
Dr. Mitchell is doing research in two major areas these days and says "I am not working with other Canadians, but with a couple of Americans and a Frenchman". He believes "Science is perhaps the most international activity that people do, and Canada is more international than most because of our small size and limited resources".

One of Dr. Mitchell's major fields of research is star formation and he believes he and his fellow researchers are breaking new ground. "I am involved in an observational program using the Canada-France Hawaii telescope", he says, "We are observing regions in which very new stars or forming stars exist".

Dr. Mitchell has another project under way. He says, "I have done some calculations of the chemistry of shocked gas. If you hit a gas with something moving faster than sound, there is a wholesale change in the chemical make up due to chemical reactions which occur. Very often the gas which is shocked is near either a young forming star or it has been hit by a supernova remnant".

Looking at his work as a whole, he says "I am finding that the areas in which I have an interest have sort of come together. Interstellar gas and young stars and star formation. There are many problems which I can see relating to all of these".

Science course proving popular



This time last year grade 7 students in the Maritime Provinces were just beginning to work with Science Plus, an exciting new science curriculum for junior high schools developed in Nova Scotia. The new course has proved so popular that 15,000 copies of the first book have already been purchased.

This year those same students are starting to work with Volume 2 of the new course and plans are afoot to introduce it to students in other parts of Canada and even the United States.

Dr. John Haysom of the Education department, who is one

of the group of educators responsible for producing Science Plus, says negotiations are almost complete to produce a version of the books for the Ontario school system. Some changes are being made to include additional material in that province's science curriculum. Ontario kids will begin to learn science the new way in September 1988. For Ontario, too, there will be a French version of the course, more than has proved possible here in Nova Scotia.

Alberta is also lining up to take advantage of Science Plus,

although kids there will not begin using the course until September 1989.

Negotiations are also under way with the National Science Teachers Association of the United States. This could result in an unusual reversal of the normal flow of textbooks from the US to Canada.

Here at Saint Mary's, the Continuing Education Department is sponsoring a series of workshops to familiarize teachers with the new textbook.



Pat King Award



P.W. Leverman, President of the Pat King Group, presents a cheque in support of the Pat King Awards, two \$4,000 awards available annually to encourage the entrepreneurial spirit among students. L to R: Dean of Commerce, Dr. Colin Dodds, University President Dr. Kenneth L. Ozmon and P.W. Leverman (West photo)

Faculty Publications

Accounting

Dr. Frank Dougherty wrote, with Dr William Ferrara, a book entitled *Managerial cost accounting: planning and control* which was published last August by Dame Publications Inc.

Sociology

Dr. Ronald L. Cospser and John M. Roberts had an article entitled "Variation in strategic involvement in games for three blue collar occupations" published in *Journal of Leisure Research*, Volume 19, No.2, 1987, pp 131-148.

Dr. David Perrier wrote an article entitled "Professor on patrol: an academic's view of policing as a special constable". It was published in *The Correctional Review*, summer 1987.

Dr. John McMullan recently edited a book entitled *Uncommon property: the fishing and fish processing industry in British Columbia* which was published by Methuen. His co-editors were P. Marchak and N. Guppy. He also edited a book entitled *State control: criminal justice politics in Canada* recently published by the University of British Columbia Press. His co-author was R.S. Ratner.

Dr. McMullan also published an article entitled "Policing the criminal underworld: state power and decentralized social control in London, 1550-1700" in *Transcarceration: Essays in the Sociology of Social Control* edited by J. Lowman, R. Menzies, and T.S. Palys and published by Gower of Aldershot, England, in 1987.

He also published an article entitled "Crime, law and order in

early modern London" in *British Journal of Criminology*, 27, 3, Summer, 1987, pp 257-274, and an article entitled "Criminal Sanctuary in early modern London" in *The Correctional Review*, Volume 2, No.1, Fall 1987, pp 10-14; 29-35. Another recently published article, with L. Gorman, was "In defiance of the law of the land: social control and the unemployed movement in BC in the Dirty Thirties", in *Canadian Criminology Forum*, Summer 1987.

Dr. McMullan has written a report on "Regulations and illegality in the Nova Scotia lobster fishery" published by the Atlantic Institute of Criminology and the Solicitor General of Canada, 1987, 78, with D. Perrier and N. Okihiro.

English

Dr. Terry Whalen had an article entitled "Advances on chaos: the poetry and esthetics of Stevens, Williams and Winters", published in *The Canadian Review of American Studies*, Vol. 17, No.4, Winter 1986, pp 495-507.

History

Dr. Fred Young submitted a paper entitled "German capital investment in Latin America in World War I" to the 1987 Jahrbuch fur Geschichte von Staat Wirtschaft und Gesellschaft Lateinamerikas, Cologne, West Germany. The paper has been accepted for publication.

Astronomy

Dr. David Turner, with Peter Leonard and Darlene English, published an article entitled "Cepheid reddenings from KHG Photometry: a re-examination" in *Astronomical Journal*, 93, pp 368-373, 1987.

Dr. Mario Pedreros published an article entitled "Photometric Study of the Southern Open Cluster IC 2488" in *Astronomical Journal*, 94, pp 92-98, 1987.

Psychology

Dr. Grace Pretty, with Eric Emerson, published an article on "Enhancing the social relevance of evaluation practice" in the *Journal of Disability, Handicap and Society*, Volume 2, No.2, 1987.

Dr. John Chadwick-Jones published an article entitled "Social psychology and primatology: proximate explanations" in *Zeitschrift fur Tier*

Psychologie, (Ethology), 1987, 74, pp 164-176. He also published an article entitled "A social psychology of non-human primates: a developing field" in *New Ideas in Psychology*, 1987, 5, pp 111-115.

In addition, Dr. Chadwick-Jones published with Araceli Carceller and Douglas Vaisey an article entitled "Canada Council's Killam research fellowships: distribution of awards 1968-84" in the *Canadian Journal of Higher Education*, 1987, XVII-2, pp 27-36.

CESA Conference



Opening ceremonies for the CESA Conference which was sponsored by the Gorsebrook Institute October 14-17. L to R: Sheva Medjuck, President of the Society for the Study of Ethnicity in Nova Scotia, guest speaker Sharon Russu of the United Nations High Commission for Refugees and Dr. Ken McKinnon, Director of the Gorsebrook Institute