

United Way over the top

We've done it — Dalhousie has gone over the top in this year's United Way campaign, with \$62,303 pledged at press time.

The university has exceeded its goal of \$50,000 for 1983 and has already topped last year's totals by 137 per cent, according to Dal United Way campaign co-ordinator Rosanne Heatherington, who rates the campaign as "The best yet."

Ms. Heatherington says the success of the campaign was due to the generosity and the spirit of participation displayed by so many people on campus, as well as to the hard work of the 150 canvassers representing departments throughout the campus. Seven hundred and eighty-nine Dal faculty and staff participated in the campaign this year, up 113 per cent from last year's figures.

All participants in the campaign were recognized at a special wrap-up ceremony yesterday (Nov. 23). At the ceremony following in the McInnes Room of the SUB, gold, silver and bronze awards and citations were presented to departments which had made outstanding contributions to the campaign.

Twenty-one departments on campus received gold awards, 13 of which had 100 per cent participation from their members. Donations within these departments reached as high as an average of \$168 per person.

Silver awards were presented to six departments, with participation in these departments ranging from 75 to 85 per cent. One bronze award was presented, as well as citations to more than 35 departments.

The president of the university, Dr. W. Andrew MacKay, said he was very pleased with the enthusiasm and generosity of the Dalhousie community. "The success of this campaign illustrates once again how Dalhousie contributes to the community at large."

A complete listing of all award winners will be published in the next issue *Dal News*. SW

First Lockward scholarships awarded

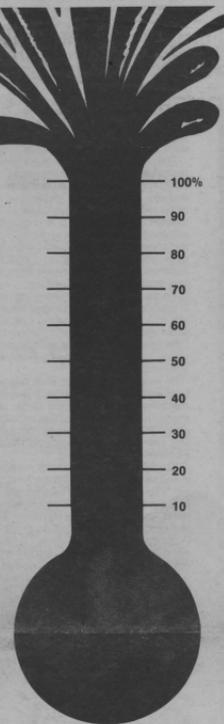
Twenty-one Nova Scotia high school students are the first recipients of new Dalhousie University entrance scholarships totalling \$84,000.

Dal president, Dr. Andrew MacKay, announced this week that the \$4,000 Lockward Memorial Scholarships have been awarded for first-year undergraduate study at Dal. The scholarships were established earlier this year as the result of a substantial endowment from the Lockward family of Nova Scotia.

"I am so pleased that in this first year of the Lockward scholarships, we had 22 nominations from high schools across the province. The academic standings, characteristics and interests of all the nominees seemed exceptional," said Dr. MacKay.

The Lockward scholarships are the largest Dalhousie has ever offered to first-year undergraduate students. When they were established, Dr. MacKay expressed his gratitude to the trustees of the Lockward estate, saying that gifts of this order for the purpose of supporting students entering university are "most welcome."

"I know the scholarships will encourage outstanding students to pursue their interests in a wide variety of courses and professional training. Over the long run, we would expect Lockward Memorial Scholarships to make an important contribution to developing society in Nova Scotia and in Canada," he said.



Forrest project on target

The announcement Monday that the province's electricians would return to the job was "good news" for the university's Forrest building restoration project, said Jim Sykes, Director of Planning and Development at Dalhousie. "It will help us a great deal and we welcome the electricians to the site."

The project had not yet been delayed by the strike, said Sykes, but the work had been inconvenienced by the electricians' absence. John Graham, Director of University Services, said that it had been "very difficult" for the contractors to work while the strike was on because none of the jobs could be completed until the wiring had been done. "The whole building was a mess," said Mr. Graham. "You couldn't finish anything."

Much progress has already been made on the restoration project despite these setbacks, according to Jim Sykes. New windows have been installed throughout the

building, and a major amount of the partitioning has been constructed. Plumbing and carpentry have been going ahead and, as a matter of fact, said Sykes, the carpentry is ahead of schedule.

Pickets set up last week on the Forrest building site had nothing to do with the electricians' strike, said Mr. Sykes. They were the result of a private dispute between the contractor and the employees at another site in the city.

No electrical work had been done on the Forrest building as of Monday, because the strike had begun before the construction work was started.

Local 625 of the International Brotherhood of Electrical Workers had been on strike for six months before agreeing last weekend to return to work pending the finding of a one-man industrial injury commission. GW



Dal
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AMC wins major transit contract

The Advanced Management Centre (AMC) at Dalhousie has outshone 10 Canadian institutions by winning a contract to develop a management training development program for the Canadian Urban Transit Association.

AMC program director Don Mills said the contract will mean approximately \$1,000,000 in funding for the Centre, as well as a long-term project involving urban transit companies throughout Canada.

"The contract is equally important because it signifies that 'the Centre has a solid reputation on a national scale despite the fact that we are at one end of the country,'" said Mills, who added that the Dalhousie Centre is increasingly achieving national recognition and so is "getting more and more requests."

Under the contract, the Centre will carry out three programs with middle and senior level managers of the transit industry over a number of years. Most immediate will be a program to improve productivity and performance. Mr. Mills said AMC will design a

management program specifically for the transit industry in Canada. The program will be presented to Ontario and British Columbia in 1984, and will then be introduced to member transit companies in other provinces on a yearly basis.

In the second and third phases, the Centre will conduct programs in general management and strategic decision making.

The Canadian Urban Transit Association is the national association of urban transit operators and provides employment for more than 40,000 people, of which 3,000 are management personnel.

To win the contract with the association, the Advanced Management Centre competed with the University of British Columbia, the University of Alberta, the University of Western Ontario, Université de Montréal, York University, Waterloo University, Banff School of Management, the Canadian Management Centre, Modern Information Communications Associates and ICS Intert Knowledge Industries. SW

The first recipients were selected by the university's undergraduate scholarships committee on the basis of academic standing, financial need, and character.

In accordance with the donors' intentions, preference is given to students from Queen's County, but all high schools in Nova Scotia are invited to recommend candidates for the scholarships, at least 15 of which will be awarded annually.

Reginald and Anne Lockward were prominent members of the Liverpool community where Mr. Lockward was manager of the Royal Bank from 1934 to 1951, and Mayor of Liverpool from 1954 to 1959. He also served the Royal Bank in other parts of Nova Scotia, New Brunswick, Quebec, Saskatchewan and Cuba. Mr. Lockward's sister, Emily, lived in Halifax and was girls' supervisor at the former Halifax School for the Blind.

The names and home towns of the first 21 winners of the Lockward scholarships are listed below. Their high schools appear in brackets.

- Steven MacLeod Allen, Springhill (Spring hill Jr/Sr High School);
- Glenn Charles Andrea, North Sydney (Sydney Mines Memorial High);
- Brian Alexander Berrymann, Liverpool, Queen's Co. (Liverpool Regional High);
- Norman Leonard Hans Sudgey, Truro (Cobequid Educational Centre).

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CHARLES BURNELL KEEPS COHN CUSTOMERS PLEASANT



Welcome to my "house." As house manager in the Arts Centre, Charles Burnell welcomes thousands of people to the Rebecca Cohn Auditorium each year. (Wilkins photo)

After seeing about 200 shows a year for the last nine years, Charles Burnell, house manager at the Staphanos Arts Centre, still doesn't consider himself an expert critic. He does admit, however, that he has "a fairly good idea of what's good, because what is not good is demonstrably bad."

"When the show is good, it's magic," says Charles, "and we old hands are the ones who appreciate it the most."

With nine years of house management and several years before that as an usher at the Rebecca Cohn Auditorium under his belt, Charles is definitely a senior member of the house staff. He's not the only "old hand," though. Some of his ushering staff have been working for the Arts Centre almost as long as he has.

"The average usher has been working here for about five or six years," says Charles, who is in charge of some 50 part-time staff, about 80 per cent of whom are students or recently university graduates. "We have to hire some who are not students because we run shows during exams."

Parking meter complaints bring changes

Dal's recently installed parking meters have reduced congestion in some areas of the campus. However, security and traffic director Max Keeping says he has received a large number of complaints and so will be making some changes.

Mr. Keeping says people there are too many meters in certain locations, especially next to the Arts Centre and at Fenwick Place. They think a two-hour time limit is too short, and they do not like receiving tickets for parking violations.

In response to these complaints, some meters will be relocated from the Arts Centre and Fenwick Place lots to other locations. One possible new site is the roadway leading to Oxford Street by the National Research Council. The time limit also may be increased from two hours to four but the cost for parking will still be 50 cents an hour.

As for parking tickets, Mr. Keeping says his men have written more tickets for non-permit parking this fall than ever before.

"People are playing the old cat and mouse game. They think that since they'll only be here for a couple of hours they may

as efficiently and tactfully as possible." The last thing we want to do is cause more of a disturbance than the customer has."

The "house" includes everything connected with a show in the Rebecca Cohn Auditorium (the Theatre department handles the Dunn Theatre), except the box office and back stage, says Charles. That means the house manager is in charge of anything else that has to do with the audience, including liaising with the Bar Services, supervising the ushering staff and determining when the show will begin and how long the intermissions will be.

Timing the show is the show's priority, says Charles, and several factors must be taken into consideration when making a decision about starting the show and the length of intermissions. The weather can be a determining factor, as can parking and traffic problems.

He remembers one time when the traffic lights went out on Quinpool Road. One of the customers, a regular at the Cohn, telephoned to tell him that traffic was backed up badly. Charles held the show for fifteen minutes, reasoning that the delay would be less inconvenient for all involved.

Charles has gathered a lot of memories during his past nine years with the Arts Centre. "Years ago, this used to be a really big place in the international entertainment world," he says, and many big names were featured in the Cohn. Stephen Grappelli, Dizzie Gillespie, Harry Belafonte, Sri Chinmoy and Isaac Stern are just a few of the "big names" with whom Charles has worked.

Although his job is interesting and rewarding, Charles says it does have its drawbacks. For one thing, it has caused him to lose some of his taste for theatre entertainment. "I never go to a show. I can't handle it anymore. I don't even enjoy going in a commercial house anymore."

Another inconvenience is the odd hours. Charles is required to work a substantial

get away without a ticket," he says. However, with the addition of two new patrol cars, his men have become more mobile and efficient in ticketing parking violators.

Mr. Keeping says the meters have also helped decrease congestion, mostly in the Dunn parking lot (between Howe Hall and the Sir James Lusk science building), where many day pass purchasers previously parked. However, he says, there has been little difference in congestion on other parts of the campus.

Despite a few complaints about day passes being discontinued, they will not be re-installed. The idea of installing parking meters was to replace daily passes and the new changes should help to placate some of the problems, he says.

As for parking tickets, Mr. Keeping says they are a fact of life for those people who continue to park illegally. And, he says, although they are issued by Dal Security, they are processed by the Halifax Police Department and the same penalties apply for non-payment as for parking penalties on public streets. SRMW

Another inconvenience is the odd hours. Charles is required to work a substantial

Lockward scholars

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Michael Eric Derrick, Shelburne (Shelburne Regional High);
Melinda May Ernst, Blockhouse, Lunenburg Co. (Park View Education Centre, Bridgewater);
Patricia Elizabeth Fillmore, Halifax (J.L. Ilesley High);
William Scott Flinn, Halifax (St. Patrick's High);
Janet Elizabeth Heath, Scottmouth, Cape Breton (Brook Education Centre);
Virginia Jill Henderson, Dartmouth (Dartmouth High);
Gene Simon Huh, Halifax (Queen Elizabeth High);
Deborah Ann Lacey, Sydney (Sydney Academy);
Laura Lee Leadbetter, Oxford (Oxford Regional High);
Mark Thomas MacLean, Westford, Pictou Co. (West Pictou District High);
Cheryl Augusta Nickerson, Clark's Harbour, Shelburne Co. (Barrington Municipal High);
Barbara Lynn Nilsson, Greenfield, Queens Co. (North Queens' Rural High);
Connie Ann Samson; Pettit de Grat, Richmond Co. (Lindsay Consolidated High);
Dawn Louise Skidmore, Amherst (Amherst Regional High);
Lucinda Mary Alexandra Stokes, Freeport, Pictou Co. (Lindsay Consolidated High);
Cheryl Lynn Wallace, Mount Uniacke (Windsor Regional High);
Martha Estelle Wilkinson, Merigomish, Pictou Co. (East Pictou Regional High), DM

amount of overtime in his job, most at night and on weekends. "You don't see your family, friends and animals," he says.

Animals? Goats, as a matter of fact. Five of them, each requiring milk twice a day.

Charles' hobby, and part-time second occupation, is selling goats' milk. He does it mostly to defray the cost of having the goats, a luxury he enjoys because he loves the milk himself. Most of his customers are people with allergies to cow's milk or people who have grown up on and love goat's milk.

Charles, a native of the U.S. who came to Canada for his health (I didn't want to end up with back pain and arthritis), is also a motorcycle enthusiast. He commutes to work from his home in Hubbards by bike every day, summer or winter, rain or shine, unless there is snow on the road. He owns about a dozen bikes, which he keeps for parts, for variety and for fun.

Where does Charles see himself in five years? He likes his job at the Arts Centre and doesn't really anticipate a change. The only thing he'd rather do is raise goats full time. GW

Dal News is published by Dalhousie University for members of the Dalhousie community. Produced by the Public Relations Office, Dal News is published every two weeks between September and April, with a break at Christmas and occasional summer issues.



The staff of Dal News includes: Dick Bowman, Director of Public Relations; Derek Mann, Director of Publications, Editor-in-Chief; Gina Wilkins, Senior Information Officer; Editor; Susan Williams, Information Officer, Reporter; Stuart Watson, Information Assistant, junior reporter; Kathi Petersen, designer, technical production; and Doreen S. Onge, clerk, What's On at Dalhousie.

Final deadline for inclusion of items in Dal News is noon Thursday before the following Thursday's publication. Inquiries and submissions should be addressed to The Editor, Dal News, Public Relations Office, 3403 Suite 1002, 424-3643.

CONTRIBUTING TO THIS ISSUE: It takes the efforts of many dedicated Dalhousians to put out every issue of Dal News. Thanks to all those who have helped with this issue, some of whom are listed here: Barbara Blauve, Dave Black, Stan Cameron, Pat Curran, Glen George, Rosanne Heathington, Joe Johnson, Maria Kiaranopoulos, Garry MacLennan, C. Mariels, Eric Mercer, Olga Neal, Gordon Steedman, and Ruth Taylor.

DEADLINE FOR NEXT DAL NEWS IS NOON, THURSDAY, DEC.

Students look for funds for model UN trip

Dalhousie's delegation to the National Model United Nations is undertaking a fund raising campaign to cover costs of sending the group to New York City.

As a kick-off of the campaign, the movie *The Graduate* will be shown at 8 p.m., Tuesday, Dec. 6 in the Molnes Room in the Student Union Building. Students in the delegation are also seeking financial support from interested businesses and organizations.

A group of 16 Dalhousie students will join 100 other school delegations at the United Nations in New York City between April 17 and 21, 1984.

By simulating sessions of the General Assembly, its committees, and other U.N. branches, the students will gain an invaluable insight into world affairs and the politics

of nations. Dalhousie's delegation will be representing Malta, a nation that is very active in international affairs (notably in the Law of the Sea), as well as a member of the Security Council.

Delegates will work directly with permanent national missions to the U.N., and with Secretary-General Javier Perez de Cuellar. They will also meet with more than 1200 other college students from all over North America.

The delegates have been meeting weekly since November, formulating plans and studying all aspects of Malta's policies and the U.N. process.

For further information on fund-raising activities, contact Dave Black in the Political Science department, 424-2396. *SMW*

German dept. receives major book grant

Once again this year, the German Studies department at Dalhousie has been successful in its application to add valuable works to the university library's German collection. Dr. Friedrich Gaede, the department's chairman, announced this week.

The department has been awarded a substantial collection of backfiles of essential periodicals in the field of German literature and thought dating from the 18th century by the Deutsche Forschungsgemeinschaft, the German SSHRC, Dr. Gaede. The shipment of books is expected to arrive this summer, announced this week.

Dalhousie University has received several book grants, ranging in value from \$2,000 to \$5,000, from the Forschungsgemeinschaft in the past, said Dr. Gaede. Some major projects of the collection, including Grimm's *Worterbuch*, a very valuable lexicon, and the *Zedler*, a major reference lexicon, both essential to the advanced study of German, have been donated by the Forschungsgemeinschaft.

"The library's German collection has been augmented substantially by the Forschungsgemeinschaft's support," Gaede stated. Dr. Ursula Steinbrecher, head of the

library section of the Forschungsgemeinschaft, has been very supportive. We very much appreciate the continued support we have received from the German government."

The Forschungsgemeinschaft awards these book grants under a program to assist essential libraries abroad, said Dr. Gaede. Dalhousie's University Library is central in the region and runs an extensive interlibrary loan service, and is thus considered appropriate for assistance by the Forschungsgemeinschaft. "Senior scholars in Germany have advised the Forschungsgemeinschaft on this matter and recommended the continuing support of Dalhousie's German department and the Killam Library," said Gaede.

The new grant has been made in recognition of the fact that the Senate and Board of Governors of the university recently approved a PhD program in the field of German Classicism, according to Dr. Gaede, who added that the implementation of the PhD program will further strengthen the department's qualifications for external funding. *SMW*

Third Killam lecture addresses constitution

Alan Cairns, chairman of the Political Science department at the University of British Columbia, will be the third and final speaker in this season's Killam Memorial Lecture series, tonight (Nov. 24) at 8 p.m. in Room 115 of the Weldon Law Building.

The series is dedicated to Dorothy J. Killam because of her generosity to Dalhousie. This year, lectures have focused on the theme *The Law on the Eve of 1984*, in recognition of the 100th anniversary of the Dalhousie Law School.

The title of Professor Cairns' talk is *The Canadian Constitutional Experiment*.

Cairns is one of Canada's most distinguished social scientists and is a Fellow of the Royal College of Canada. He is the recipient of the 1982 Molson Prize awarded by the Canada Council in recognition of his outstanding contributions to the arts, human-

ities and social sciences. He is currently director of research (institutions) for the Royal Commission on Canada's Future. He also served as the 1982-83 MacKenzie King visiting professor of Canadian Studies at Harvard University. *RG*

Alan Cairns will deliver the third and final Killam Lecture, *The Canadian Constitutional Experiment*, tonight in Room 115, Weldon Law Building.



Although students participating in the exchange program between Dalhousie and the University of Xiamen in the People's Republic of China only recently arrived in Halifax, they are doing the same work and are in the same classes as students in the Business School's regular MBA program. (Williams photo)

Exchange agreement brings Chinese students to Dalhousie

A \$1.5 million grant from the Canadian International Development Agency (CIDA) has launched an exchange program between Dalhousie's School of Business Administration and Xiamen University in the People's Republic of China.

John Scheibelhut, director of the Business School, says the exchange program will bring 27 students, as well as selected faculty members, to Dalhousie from Xiamen over a five-year period. Dalhousie will send a total of 12 academics to Xiamen over four years.

Dalhousie is one of a number of Canadian universities participating in the CIDA exchange program with universities in the People's Republic of China. Dr. Scheibelhut says Dal is the lead university for the Xiamen program, but will also be calling on the resources of other universities in the Atlantic region.

Xiamen University is located in the town of Xiamen (formerly called Amoy) and is considered one of the top universities in mainland China. It was among five engineering management institutions and only three economic management institutions in the country to be chosen to take part in the exchange program.

The aim of the program is to introduce the faculty and staff of Xiamen University to the business practices and teaching systems of the Western world. According to Dr. Scheibelhut, a knowledge of contemporary business practices is particularly important to Xiamen because it is a free economic zone with many companies owned by both the Chinese and other countries.

Two senior academics from Xiamen will visit Dalhousie this year to "observe our methods of running a business school, library and computer centre," says Scheibelhut. As well, three professors from among the Atlantic universities will teach there in the spring.

Five students from Xiamen have already begun MBA programs in Halifax, four of them at Dalhousie and one at Saint Mary's University (SMU).

Dr. Scheibelhut says the students were carefully selected from among the top students at Xiamen University. Yu Lin, one of the students, says they all studied previously in Xiamen's Chinese foreign trade department, where they took courses in international trade, foreign policy, economics, finance and English, and have also worked

as teaching assistants. When they return to China, they will teach students at their former university so that these students may also become teachers.

Because the students arrived in Halifax six weeks after classes had started, Dr. Scheibelhut says they are working very hard to catch up with their classmates. They are also dealing with the effects of culture shock as they attempt to adjust to the many differences between Canada and China.

Keng Chen, the only male student in the group, says the climate of the town of Xiamen is sub-tropical and, unlike Halifax, Xiamen has few cars and lots of bicycles. Although wages are much lower there, the cost of living is very different, with apartment rents (in Canadian dollars) ranging from 50 cents to 80 cents a month and water bills at approximately 10 cents a month.

Although Keng Chen is living in residence at SMU, the four women are sharing an apartment in Fenwick Towers and so must do their own cooking. They have already discovered a store that sells authentic Chinese food, and last week they tasted their first taste of venison, a gift from Dr. Scheibelhut. *SW*

Peddle joins Med faculty

Dr. Leo J. Peddle has been appointed professor and head of the department of obstetrics and gynecology in the Faculty of Medicine, the Dalhousie Board of Governors announced recently. Dr. Peddle has also been appointed Chief-of-Staff of the Salvation Army Grace Maternity Hospital.

A native of Corner Brook, Newfoundland and a graduate of the Dalhousie Medical School (BS), Dr. Peddle has served on the staff of the Grace Maternity Hospital, the Halifax Infirmary and the Victoria General Hospital since he came to Halifax from Manitoba in 1978.

He is a clinician-researcher with a major involvement in the evaluation of enhanced community reproductive care. □

SAFETY TIP

Dalhousie's Safety Committee would like to remind you that when the lights go out and the emergency lights go on, you are requested to leave the building.

Emergency lights are for evacuation purposes only and therefore will only work for a limited time.

IPA introduces unique training program

John Dougal of Dalhousie's Institute of Public Affairs (IPA) is introducing a Work Improvement Training Program which he says is unique in Canada, and possibly even in North America.

The course will provide people in government and industry with a participative approach to redesigning work, and with the skills, understanding and work values necessary to implement this redesign. Mr. Dougal says it is based on the philosophy that today's workplace can be more effective if workers are involved in the decisions which relate to them, and therefore will bring together labour representatives, line managers, administrators and staff people responsible for making changes in training and organization.

He says the IPA program is unique because, unlike other universities' offerings, "it is an intern program coupled with a back-home change program with advice and counsel and measurement for change."

In the intern part of the course, which begins in January, participants will meet for will then meet once a month for a two-day workshop during the next two years. The workshops during the next two years. They will learn how to create satisfying jobs and meaningful work, to organize people and work for maximum effectiveness and to sharpen their ability to implement change successfully.

In the second part of the program, participants will "develop, plan, carry out and monitor a change program in their back-home organizations." Mr. Dougal says "Each organization will have measures of their before and after performance, job satisfaction, absenteeism and turnover."

The end result of the redesign in these organizations should mean that employees are involved in a much wider scope of work, with some trade off among employees and a higher degree of latitude in how they go about doing the work.

A similar program was recently introduced in Maritime Tel and Te's customer service department which Mr. Dougal says resulted in an increase in job satisfaction and worker effectiveness.

Although IPA's Work Improvement Training Program is unique, smaller scale programs called Quality Circles have been successfully introduced during the past five years in a number of large North American organizations such as Ford and General Motors Quality Circles bring together voluntary groups of employees to suggest better ways of getting work done. Mr. Dougal says he will be including Quality Circles in his course.

Assessing Mr. Dougal in the facilitator training development education of the intern program will be Roy Brookbank of Dal's School of Business Administration, and Harriet Havelock from the Faculty of Commerce at Saint Mary's University. Steve Macdonald and Don Clairmont from IPA will be carrying out external research evaluations of selected projects.

Funding for the project, which Mr. Dougal stresses is non-academic, will be provided by the federal government.

For further information, contact John Dougal or Elizabeth Harvie at 424-2576. Registration must be completed by Jan. 15, 1984. SW

Theatre's "Dream" will make magic real

Dalhousie Theatre Productions (DTP) invites us to enter a dream world. It offers us fairies and magic, adventure and romance and even a little make-believe, all in its upcoming show, Shakespeare's *A Midsummer Night's Dream*.

Like a dream, nobody knows what to expect of the Theatre department's current venture. Dreamily vague, Peter Perina, the chairman of the department, doesn't want to say too much about the production. People will have to see it to believe it anyway, he hints mysteriously, and he doesn't want to spoil their fun.

At a recent press conference on the production, Mr. Perina said he had decided not to display the scenography, or set design, because he wanted it to be a mystery to everyone in the audience.

But Mr. Perina did drop some subtle hints about DTP's *Dream*, implying magical allusions to fairies whose feet would never touch the ground, and to the two worlds of reality and make-believe, both of which he said would appear on the Dunn Theatre stage. On a more practical note, he talked about soliciting the expert technical advice of two structural engineers, and mentioned that the whole design had metamorphosed several times as effects were tried and tried again.

Discussing the costuming, Robert Doyle, the designer, mentioned that he did not like to see "period costume on the modern body." The few sketches accompanying his comments illustrated an interesting combination of tradition and modernism.

As if that wasn't enough to pique one's curiosity, Peter Perina then introduced the play's director, Québecois Roger Blay. Blay doesn't look the part of a Shakespearean director. With his long hair, cowboy boots, blue jeans and thick French accent, he more resembles the gruff Gabriel Dumont of *Il est là*, a character he himself played in that production.

"We have found with Shakespeare," Perina explained, "that an English director often concentrates too much on the language and not enough on the show." Roger, who has directed several other Shakespeare productions in French, has proven himself an accomplished showman, as well as a fervent fan of the great playwright. Coupled with that his extensive theatre experience at the École Nationale du Théâtre in Montréal and in France, and he's an obvious natural to direct this massive student production.

The DTP *Dream* will be Blay's second production of the play, but the first Shakespeare he has directed in English. The experience of directing the great playwright in English, he said at the press conference, is "fantastique."

Discussing the play, Blay said, "It's all about the season, the Spring, the Equinox. Everything is coming to life — animals, plants. What happens to human beings when they feel that? What would they do if they were free of social obligations? And it's about love, love in many ways."

Blay has taken 22 actors and about an equal number of technical crew, all students, and together with Peter Perina, costume design director Robert Doyle, and several other members of the department's staff, has given them a little magic, magic which, they in turn will give to the audience. Dalhousie Theatre Productions' *A Midsummer Night's Dream* is scheduled for the Sir James Dunn Theatre in the Dalhousie Arts Centre, Wednesday through Sunday, Nov. 30 to Dec. 3 at 8 p.m., with a Sunday matinee at 2 p.m. Tickets are selling fast, says business manager Blanche Potter, so contact the Arts Centre Box Office soon, "perchance to dream." BW



Dalhousie's first female chemistry professor, Mary Ann White, and her husband Robert came to Dalhousie with major NSERC grants. (Williams photo)

Whites bring NSERC money to chemistry

Dalhousie graduated its first Chemistry student in 1950. That student was a woman. It was another 33 years, however, before the university added a woman to the faculty of its Chemistry department. The woman is Dr. Mary Anne White, who has joined the department as a Natural Sciences and Engineering Research Council of Canada (NSERC) university research fellow and as an assistant professor (research), teaching third year physical chemistry.

Mary Anne, however, was not the only White to become a member of the Chemistry department in September. Her husband, Dr. Robert White, is also working at Dal as an NSERC university research fellow and as an assistant professor (research), teaching first year chemistry.

Mary Anne's work involves measuring the thermal properties of solids and, in particular, studying how solids undergo physical changes from one form to another. In researching these solid-solid phase transitions, she is currently focusing on a specialized class of solids — solids which change into disordered solids from ordered solids.

Mary Anne is primarily interested in understanding the fundamental forces that hold solids together. She has been awarded a Dalhousie research development grant for this work and an NSERC strategic grant to look at the heat storage in chemical compounds, through studying phase transitions of solids.

To measure the heat content of solids, Mary Anne uses a technique called calorimetry and an apparatus which she built herself and brought here from the University of Waterloo. Under the operating grant of her fellowship, she is also using a second experimental method, thermal conductivity, to investigate thermal properties of solids.

Mary Anne is originally from London, Ont., but came to Dalhousie from the University of Waterloo, where she had been working since 1981 under the fellowship she has now transferred to Dalhousie.

She also spent two years at Oxford University as a postdoctoral fellow in the Inorganic and Physical Chemistry departments and at St. Hilda's College as a junior research fellow. She was educated at the University of Western Ontario, graduating with a BSc in 1975, and at McMaster University, where she received her PhD in 1979.

For Dr. Robert White, moving to Dalhousie is actually a homecoming. Robert is from Eastern Passage and began his university studies at Dal, graduating with an Honours BSc in 1974. He also received a PhD in Organic Chemistry from McMaster University in 1979 before heading to the Sir William Dunn School of Pathology at Oxford University to work in the laboratory of Sir Edward Abraham.

More recently, Robert has been working in a pharmaceutical company in Mississauga, Ont., as an NSERC Industrial Research Fellow. In coming to Dalhousie, he was able to transfer the fellowship to a university fellowship, which he says was a first for Canada. His research is supported by an NSERC operating grant and by the Dalhousie research development fund.

At Dalhousie, Robert is initiating a research program on the biosynthesis of natural products. His work involves a group of natural products which he says "touches everyone" — vitamins. They are essential to humans "and our bodies are not able to manufacture them on their own."

Robert says he is particularly interested in understanding the fundamental forces that hold solids together. The general aim of his research is to determine how the production of thiamin is carried out.

Although Whites' research projects obviously place them in very different areas of Chemistry (even their offices are at opposite ends of the Chemistry building), they have managed to get together to enjoy a little of Halifax and Dalhousie life. Mary Anne says she has found Halifax a friendly city and is particularly impressed with features such as the Kilam Lecture series at Dalhousie. The Whites have one son, David, who is 16 months old. SW

Triathletes return triumphant

Many of you may know the face. Almost dead centre in the colour photo at the top of the page in *Newsweek's* recent feature on the Hawaiian Ironman Triathlon (*Gutting It Out in the Triathlon* — Nov. 7), is our own Dave Currie, Dalplex's fitness assessor and corporate membership salesman. Less recognizable, but right there to Currie's immediate right in the *Newsweek* photo, is Dalhousie student John Carson. And somewhere in the blurry background is Patty Clune, Dalhousie's third entrant in the grueling Ironman.

Dal's triathletes are home from the fray, brown and proud and perhaps just a little lost without the challenge of the competition in front of them.

If triathletes have a problem larger than the many obstacles standing between them and the finish line, it is a lack of public understanding. The event is relatively new and the public has not yet grasped the concept of athletes who swim 2.4 miles, cycle 112 more and then run a 26.2 mile marathon. Even *Newsweek* is incredulous.

"Call them triathletes, endurance buffs or just plain foolish," says in *Gutting It Out*. "Those who know the Dal athletes would describe them as congenial, happy, normal individuals with rewarding lives. Yet in *Newsweek's* personality trait of the triathletes are identified as obsessiveness and compulsiveness. Many of us would suspect our three *Ironmen* of being at least a little obsessive, given the training schedules they have followed and the sacrifices they have made in order to compete. But they all continue to insist that what they have done is really not extraordinary or unnatural."

Maybe we'll never understand why they did it or grasp what it was like at, say, hour 10 of the event. But let's hear it from the athletes themselves.

Twenty-seven-year-old Patty Clune, a graduate student in exercise psychology at Dalhousie, finished third of the Dal group at 13 hours and 58 minutes. Like most other Ironman competitors, Clune would have done better in the competition if it hadn't been for the dreaded Hawaiian trade winds. She describes her ordeal nearly half way through the bicycle leg.

"I found out what wind was all about at the Mahukona Sheer line... I was in my lowest gear inching forward at six miles per hour. The grass in the fields was blown flat and the ocean had areas of pure white frost. I'd never seen anything like it. When the first 35 knot gusts hit my front tire, I blew sideways



across the road and into the line of oncoming bike riders. For all my cycling experience, I was scared for the first time. I felt I was in danger, at the mercy of the winds. There was no shelter and no place to go but forward. Besides the misery of tense concentration that made my back, neck and shoulders ache with pain, I was thirsty. To let go of the handlebars and take a drink from my water bottle would have meant disaster. Photographers were blown around as they tried to take pictures. Overaken riders were in danger of being run down by cyclists caught in gusts.

"Many riders got off and walked those last four miles to the turnaround. I leaned into the wind and pushed ahead. My legs were losing their energy. When I made it to Hawi, I still had 60 miles to ride and a marathon to run. The tactics scattered on the course that morning by vandals had already claimed two of my tires and I was out of spares. My eyes were glued to the asphalt in search of a third track that could force me to withdraw."

"Those remaining 60 miles would be tough, but my stomach knotted in apprehension at the thought of abandoning my bike, in exchange for dependence on my weary legs and blistered feet over a marathon course... At the bike finish I wondered out loud how I would do a marathon."

Clune's marathon run and finish were equally grueling.

"The heat was getting the best of me. I felt chilled and fatigued. I doubted that I could complete the marathon without walking, but I decided to attempt it. Then my foot cramped and I couldn't walk. I hadn't even begun to run, and I had 26 miles to go."

"I been told that anyone could walk a marathon, but I didn't want it to be me. So I jogged until I cramped, then I walked until I could run again. There were many others walking. I walked and ran.

"The horizon turned orange then black. The stars and full moon rose. That arck-straight road seemed endless. Runners wearing green stickers made an eerie design in the darkness. No one spoke. To so wasted energy, I was reminded of the Bataan death march through the mountains in early Greek history, except this one was blessed with water, oranges and chocolate chip cookies."

"I had abandoned all thoughts of finishing in 12 hours. I only wanted to finish. Hearing my name and hometown announced at the finish would be great, but from there I would withdraw from the euphoric finish line celebrations, preferring a quiet inner celebration of pride."

Twenty-five year old David Currie came in second of that Dal group at 12 hours and 48 minutes. Currie says he got through the swim despite the fact he was nearly trampled by his teammates. But, then during the bike race, the winds came:

"I had headwinds from mile 20 to mile 35 and from mile 43 to mile 55, blowing so strong some people actually had to walk their bikes. All I kept thinking was that once I made the turnaround I was going to have a nice free ride back home. It's discouraging to know that you're in the easiest gear possible, standing on your bike, and the wind is blowing so hard that you're stopped dead in your tracks or you have to lean into the wind to prevent yourself from getting blown off your bike. All along the bicycle course I was gobbling up bananas faster than Tarzan, hoping to replenish precious carbohydrates. And believe me, after five hours in the saddle you can work up quite a ferocious appetite. By the end of 112 miles of that kind of cycling, I was only too happy to start running."

As for John Crazy Man Carson, Dal's top finisher at 11 and a half hours, he's going to do it again!

"When I finished I told Marilyn Miller that it was the hardest thing I've ever done in my life and I never wanted to do it again. Then I went home and piggied out, and by the next morning I had changed my mind to 'well, maybe'... That night, at the awards ceremony, it was a definite 'I'd be back.' I felt great by Monday — very keen to do it again." — Pat Curren

The Tiger Wants Your Toys!



Drop off an unwrapped gift at any of the Dalhousie Campus locations, Cleve Sporting Goods in Halifax, or Sports Experts at the MicMac Mall. All toys will be passed in to local organizations on December 21. Call 424-3372 for more information.

Help support the Dalplex Toy Drive

The Tiger needs your toys

With the Yuletide season on its way, many Dalhousians have started to think about their Christmas shopping lists and what they're going to buy or make for those special people in their lives.

Dalplex, too, is thinking about Christmas, and about the many needy children in the Metro area who may not experience it this year. Dalplex has decided to do something about that, says Pat Curran, Director of Marketing and Public Relations for the facility, so it has initiated its first annual Dalplex toy drive.

The toy drive, which is supported by the Dalhousie Tiger, BG, and has been endorsed by all the unions on campus and the administration, will take place from Dec. 1 to Dec. 21, says Pat Curran. Unwrapped new or used toys in good repair are welcome, and

may be dropped off in any of the 10 Tiger toy boxes distributed around campus and throughout Metro at the following locations: Dalplex, the Memorial Arena, the Faculty Club, the Student Union Building (until Dec. 14), the Arts Centre, the Dental Building staff lounge, the Sir Charles Tupper Medical Building, Cleve's Sporting Goods on Argyle St., the MTKT building, and Sports Experts in MicMac Mall.

When all the gifts have been gathered up, on Dec. 21, Pat and the Dalhousie Tiger will deliver them to the Children's Hospital and the Salvation Army for distributing.

Why not help Dalplex and the Dalhousie Tiger make a new child happy this year? Show your Christmas spirit with a gift. Call 424-3374 for more information. GW

What's on at Dalhousie



Christine Walker as Puck and John Jay as Oberon rehearse a scene from Shakespeare's "A Midsummer Night's Dream" opening in the St. James Dunn Theatre, Dalhousie Arts Centre, Nov. 30 to Dec. 4. The play is presented by Dalhousie Theatre Productions and features students in the university's Theatre department. Tickets are available at the Arts Centre Box Office.

Thursday

November 24

DEPT. OF MATHEMATICS, STATISTICS AND COMPUTING SCIENCE SEMINAR: "Numerical Integration of Functions with Singularities over Triangles." Prof. P. Keast, Dalhousie University, Killam Room 2622, 4 p.m.

KILLAM MEMORIAL LECTURE: "The Quest for World Order: The Legacy of Optimism Re-examined." Richard Falk, 8 p.m., Weldon Law Building, Room 115.

Friday

November 25

SCHOOL OF LIBRARY SERVICE LECTURE: "It's not just the specialty, it's the goal." Dr. Eileen Travis, Regional Librarian, Saint John Regional Library, MacMechan Auditorium, 3:30-4:45 p.m.

PSYCHOLOGY DEPT. COLLOQUIUM: "Apparent Motion - The Short-range Mechanism," Curtis Baker, Room 4258/63 LSC, 3:30 p.m.

ON STAGE AT THE COHN: Edith Butler, Back by popular demand, Cohn Auditorium, 8 p.m., Reg. \$10/\$9 (Students/Sr. Citizens \$9/\$8), Nov. 25-26.

MEN'S AND WOMEN'S BASKETBALL: Bluenose Classic Tournament (Dal, York, Laval, Toronto), Nov. 25-26.

FRIDAY AT FOUR: "Are Geriatricians Second Rate Specialists Looking After Third Rate Patients?" Dr. Roy Fox, Dept. of Medicine, Dalhousie, Theatre A, Sir Charles Tupper Bldg.

DEPARTMENT OF MATHEMATICS, STATISTICS AND COMPUTING SCIENCE SEMINARS: "Problems in Stochastic Control." Prof. M. Lelebrve (University of Cambridge), Killam Room 2616, 3 p.m.; and "Operator Theory Seminar" (Group C-Algebras), Prof. K. Taylor, Dalhousie University, Killam Room 4410, 3:30 p.m.

APPLIED MATHEMATICS SEMINAR: "Numerical Integration of Functions with Singularities over Triangles." Prof. P. Keast, Dalhousie University, Killam Room 2622, 4 p.m.

Sunday

November 27

WOMEN'S BASKETBALL: York University Exhibition, Dalplex, 1 p.m.

DALHOUSIE FILM THEATRE: Lolita, Cohn Auditorium, 8 p.m., Regular admission, \$4; Students and Senior Citizens, \$3.50.

Peter Sellers' comic portrayal of Claire Quilty stands out in Kubrick's film of Nabokov's classic novel of forbidden obsession. Throughout, Stanley Kubrick paints his visions of America as a land of missing joy and blown chances where nothing works out the way it should. Lolita also stars James Mason, Shelley Writers and Sue Lyon.

Monday

November 28

ADVANCED MANAGEMENT CENTRE AND THE HALIFAX BOARD OF TRADE WORKSHOP: "Selling Skills for the Professional Salesman," Seminar lounge, 1261 Seymour St., Nov. 28-29.

TRAVELOGUE FILM: A New Norway. Narrated by John Roberts, Cohn Auditorium, 8 p.m. Regular admission, \$4; Students and Senior Citizens, \$3.

GRAD HOUSE MOVIES: "The Conversation" and "King of Comedy," 7 and 9:30 p.m. Members and their guests only.

SCHOOL OF NURSING SEMINARS: "Relationship Between Hearing Impairment and Social Disengagement in the Elderly," Sharon Richardson, School of Nursing; and "A Comparison of The Self-Identity of Older Individuals Living at Home with Older Individuals Living in a Nursing Home," Pat Mellanson, School of Nursing, MacMechan Auditorium, 7:15 p.m., Admission free. Come and bring a friend.

Tuesday

November 29

ART GALLERY FILMS: "This is Edward Steichen." U.S.A., 1965. A film study of the American photographer Edward Steichen. "Alfred Stieglitz, Photographer." Museum at Large, 1982. A newly completed film on the life and work of Alfred Stieglitz. 12:30 p.m. in the MacAloney Room 406, Arts Centre, and 8 p.m. in the Gallery.

INSTITUTE OF PUBLIC AFFAIRS AND SCHOOL OF PUBLIC ADMINISTRATION SEMINAR: "Program Evaluation." Conference Centre, 1261 Seymour St., Nov. 29, 9 a.m.-6 p.m.; Nov. 30, 9 a.m.-1 p.m.

Wednesday

November 30

DALHOUSIE THEATRE PRODUCTIONS: "A Midsummer Night's Dream" by William Shakespeare. Sir James Dunn Theatre, Dalhousie Arts Centre, 8 p.m., Nov. 30 - Dec. 4.

HOCKEY: Dal vs. St. Mary's (Coca-Cola night), Dalhousie Memorial Arena, 7:30 p.m.

BIOLOGICAL OCEANOGRAPHY SEMINAR: "Zooplankton grazing pressure as a factor in determining the dynamics of Gonyaulax blooms: establishing a context." David Ives, Dalhousie Oceanography, Room 8652, LSC, 4 p.m.

DSU ILLUSTRATED LECTURE: "The Naked Edge: Advertising's Image of Women." Dr. Jean Kilbourne, writer and media analyst, McInnes Room, SUB, 8 p.m., Admission is \$5 and \$3 for students.

Thursday

December 1

CENTRE FOR AFRICAN STUDIES SEMINAR SERIES: "Joseph Engwena, The Convention Peoples Party and Ghanaian Workers, 1951-1966." 1444 Seymour St., 4:30-6 p.m.

EDUCATION DEPT. SEMINAR: "Theories of Women and Education: The Need for an Interdisciplinary Approach." Gisèle Thibault, doctoral candidate, and Dr. Tom Laidlaw, Arts Annex, Rm. 120, 4 p.m.

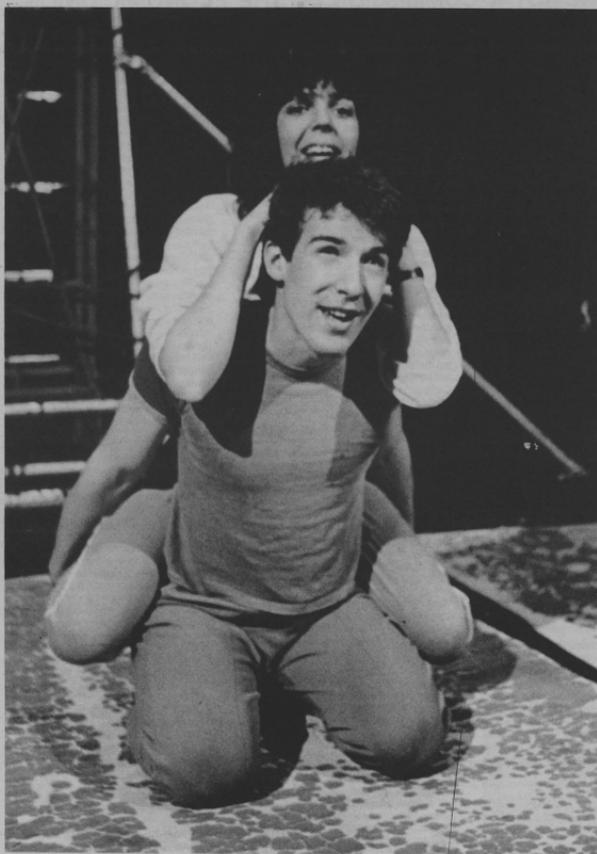
INSTITUTE OF PUBLIC AFFAIRS, MUNICIPAL ADMINISTRATION PROGRAM (MAP) SEMINAR SERIES: "Effective Financial Management Strategies." Ike Kent, Comptroller, City of Halifax, and Bernard Smith, Director of Finance, City of Halifax, Conference Centre, 1261 Seymour St., Dec. 1-2.

OSA GENERAL MEETING: MacMechan Auditorium, 12-12:30 p.m., film, and meeting from 12:30-3 p.m. Coffee and donuts will be served.

SOCIOLOGY AND SOCIAL ANTHROPOLOGY PUBLIC DEBATE: "Marx's and Weber's Debate on Class: Some Recent Issues." Sociology and Social Anthropology Complex (corner of South and Seymour), Room 300, 2:30 p.m.

AFRICAN STUDIES CENTRE ACADEMIC SEMINAR SERIES: "Canadian Policy towards Africa's Refugees," Bobby Orr, Dept. of External Affairs, Ottawa Chair, Davies Baginbure, Halifax lawler, human rights activist, and specialist in Canadian immigration law, 4:30-6 p.m., 1444 Seymour St.

MUSIC DEPARTMENT COLLOQUIUM: "Blackleg Miners in Cape Breton - Folklore, Fact and Legend." Prof. O'Donnell, former chairman of the Music Department of St. Francis Xavier University and founding director of the choir Men Of The Deep, MacAloney Room 401, Arts Centre. Admission is free, all are welcome.



Les Ballet Jazz de Montréal arrives at the qualities of 20th century dance, also capturing the grace of the basics of ballet. It also emphasizes that which is beautiful in youth — its vibrance, freshness, enthusiasm and wholesome sense of the joy of living. Les Ballet Jazz will perform on the Cohn stage Saturday, Dec. 3 at 8 p.m.

Friday December 2

SCHOOL OF LIBRARY SERVICE LECTURE: "Choosing a Library Processing System: LIBSAC." Mr. Ian Bates, University Librarian, Acadia University, MacMechan Auditorium, 3:30-4:45 p.m.

FRIDAY AT FOUR LECTURE: "Cancer of the Esophagus in China." Dr. Loring W. Pratt, Chairman, Dept. of Otolaryngology and Maxillofacial Surgery, Mid-Maine Medical Centre, Waterville, Maine. Lecture Theatre A, Sir Charles Tupper Medical Bldg.

PSYCHOLOGY DEPT. COLLOQUIUM: "Neural Bases for Orienting Behaviour." Glenda Midgeby, Dept. of Psychology, Mount Allison University, Room 4258/63 LSC, 3:30 p.m.

WOMEN'S BASKETBALL: Red Fox Exhibition, Dalplex 8:30 p.m.

MEN'S BASKETBALL: Dal vs Mt. Allison, Dalplex, 8:30 p.m.

ART GALLERY BROWN BAG LUNCH SERIES: Photographer Alvin Comter will give a talk on his photographic work, 12:30 p.m. in the Gallery

SOCIOLOGY AND SOCIAL ANTHROPOLOGY PUBLIC DEBATE: "Marx's and Weber's Debate on Class: Some Recent Issues." Sociology and Social Anthropology Complex (corner of Seymour and South streets), Room 300, 2:30 p.m.

ECONOMICS DEPARTMENT SEMINAR: "Walrus Law of the Markets and Alternative Theories of Short-Run Macroeconomic Policies." Prof. G. Kartakalis, Seminar Room 1, 6214 University Avenue, 3 p.m. Note: Seminars are now being held on Fridays.

CONTINUING EDUCATION IN DENTISTRY COURSE: "Fixed and Functional Appliances in Interceptive Orthodontics." Dr. Barro, Assistant Prof. and Head, Division of Orthodontics, Dalhousie, Dr. Bourque will assist with the participation sessions. Dental Bldg., Rm. 4116, University Ave. For more information 424-2248 or 6507.

Saturday December 3

ON STAGE AT THE COHN: Les Ballets Jazz de Montreal. Rebecca Cohn Auditorium, 8 p.m. Regular admission, \$10/\$9. Students and Senior Citizens, \$9/\$8.

MEN'S AND WOMEN'S BASKETBALL: Second Annual Schweppes Classic High School Tournament, Dalplex, 9 a.m., Dec. 3-4.

Sunday December 4

DAL FILM THEATRE: Moonlighting, 1982. Great Britain. Rebecca Cohn Auditorium, 8 p.m. Regular admission, \$4; Students and Senior Citizens, \$3.50.

AFRICAN STUDIES CENTRE WORKSHOP: "Pre-colonial African History Oral Methodology." 5515 Sentinel Square. Call Bob Sargeant, History dept., 424-2011, for details.

Monday December 5

AFRICAN STUDIES WORKSHOP: "The European Community Africa and Lome III: A Canadian Perspective." Henson Centre, Seymour St., all day.

AFRICAN STUDIES CENTRE AFRICAN AND IMPERIAL HISTORY SEMINAR SERIES: "Femalé Politicians in the Pre-Colonial Period." Kathy Dawso, Dalhousie, Chair, O. Njoku, 1411 Seymour St., 3:30-5:30 p.m.

Tuesday December 6

ART GALLERY FILM: "Snowden on Camera: What is a Photographer Worth?" British photographer Lord Snowden looks at the value of photographs from the snapshot to the p.m. of Ansel Adams whose prints now cost about \$20,000. 12:30 p.m. in MacAloney Room 406, Arts Centre, and 8 p.m. in the Gallery.

PUBLIC LECTURE ON AGING AND DYING: "The Sociological Aspects of Aging and Dying." Victor Marshall, U of T. 8 p.m., Art Gallery, Mount Saint Vincent University. Jointly sponsored by Dalhousie, SMU and MSUJ.

DEPT. OF ANATOMY SEMINAR: "Victorian Sperm: 19th Century Views on Sexual Reproduction." Dr. John Farley, Biology Dept., Dalhousie University, Room 14B, Tupper Bldg., 11:30 a.m.

Wednesday December 7

GERMAN FILM: "Woyzeck," MacMechan Auditorium, 8 p.m. Admission is free.

BIOLOGICAL OCEANOGRAPHY SEMINAR: "A look at the distribution of the often neglected smaller copepods in the Brown's Bank region." Jodi Dugas, Dalhousie Oceanography, Room 3652, LSC, 4 p.m.

MUSIC DEPARTMENT COLLOQUIUM: "Opera-Essence" Students will perform arias and scenes from beloved works such as Don Giovanni, Carmen, Madame Butterfly, and The Marriage of Figaro, and will conclude with the complete opera, Hello Out There, by Jack Beeson and William Saroyan. Tickets for this performance will be available at the door. General admission, \$4. Seniors, \$3. Students free.

DALHOUSIE ART GALLERY EXHIBITIONS: "Four Objective Artmakers." The work of four younger Nova Scotia artists: Monique Desnoyers, Howard van Allen, Glen MacKinnon, and Sean McQuay. This exhibition is guest-curated by sculptor John Greer. "Alvin Comter, Photographs." An exhibition of the photographic work of Halifax artist Alvin Comter. "Canadian Paintings from the Sobey Collection: Part II." The work of Lauren Harris, F.H. Varley, and Franklin Carmichael.

Thursday December 8

THE DIVISION OF CONTINUING MEDICAL EDUCATION: Short course on Therapeutics. Theatre D, Sir Charles Tupper Bldg., Dec. 8 and 9.

ART GALLERY OPENING: "Visions of Paradise: The Art of the Oriental Carpet" will be opened by Candance Stevenson, Nova Scotia Museum, Exhibition curator Dr. Hans-Gunther Schwarz will be present 8 p.m.

MODEL UN FUND RAISING MOVIE: "The Graduate." Dal Student Union Building 8 p.m.

THE AUC SUBMISSION TO THE ROYAL COMMISSION ON THE ECONOMIC UNION AND DEVELOPMENT PROSPECTS FOR CANADA

Editor's Note: The Association of Universities and Colleges of Canada (AUCC) is the representative body of institutions of higher education in this country. This brief, submitted last month to the Royal Commission on the Economic Union and Development Prospects for Canada, offers to you in the opinion of these institutions. This News features the brief, in full, for your information. Comments on this document may be sent directly to the AUCC, 151 Slater St., Ottawa, Ontario, K1P 5V1.

Introduction

The Association of Universities and Colleges of Canada welcomes the opportunity to present its views to the Royal Commission on the Economic Union and Development Prospects for Canada. The mandate which has been assigned to the Royal Commission is of great importance to Canadians and to all Canadians. In a rapidly changing and increasingly interdependent world, every country needs a periodic reassessment of its economic performance to produce a blueprint identifying the goals to be achieved over the next ten to twenty-five years.

The AUCC represents seventy degree-granting institutions located across Canada. Its membership ranges from large, internationally renowned teaching and research institutions to small undergraduate liberal arts colleges. While their size and scope of activities may vary, all AUCC member institutions contribute in important and significant ways to the social, cultural and economic prosperity of their immediate communities and their nation.

As universities entered the 1960s, demographic projections indicated that many more Canadians would be demanding higher education. This pressure, coupled with growing public endorsement of the value of significant investment in higher education, led to an unprecedented expansion of the university system. During the next twenty-five years, the number of degree-granting institutions doubled, the number of faculty members grew by a factor of five, and student enrollment increased eightfold. The universities responded positively to the challenges of the '60s and '70s, principally by providing more programs to accommodate the increased enrollment. Today's challenge is to satisfy demands for an altered mix of degree programs and to provide for a major expansion in the quality and quantity of the research effort.

Student demand for university entry has continued to grow despite the leveling off of the total 18-24 age group which now supplies between 75 per cent and 90 per cent of the university student population. While it is projected that this age group will decline over the next ten years, this does not mean that there will be a corresponding drop in university enrollment. The post secondary participation rate from this age group is projected to increase to exceed 22 per cent and could continue to increase in the future.

Over the short term, more stable enrolment levels should allow the university system to consolidate its strengths as it plans for new and changing demands, especially in research. In the past, the universities met the challenge of rapid enrolment growth through the process, developed the components of a mature university system. Now the emphasis must be placed on the preservation and enhancement of the quality of teaching and research activities.

Knowledge will continue to be the economic driving force of developed countries in the years ahead. Rapid technological developments in the areas of computers, communications, and diffusion, will greatly facilitate the acquisition and flow of new knowledge. The universities have been, and will con-

tinue to be, the institutions most distinctly concerned with the quest for knowledge, with the assimilation and transmission of new knowledge, and with the search for wisdom in order to use that knowledge and its associated technological developments for the betterment of society. The progress in the development of a mature mixed economy, from a resource based to a manufacturing based and ultimately to a service and knowledge based system, will bring the universities' role into even greater prominence.

The role of the university

The university is the corporate realization of man's will to know and understand. The creation and transmission of knowledge and skills across a broad spectrum of disciplines and professions constitute what may be called the core undertaking of universities. The university provides the best environment to develop fully the students' analytical thinking processes. By promoting the study, analysis and critique of perceived truths, social mores and scientific developments, the university contributes to the intellectual development of its students to the benefit of both the individual and society. By exploring the frontiers of knowledge, the university generates new knowledge and provides the nation with the ability to assimilate breakthroughs processed in other parts of the world. By acting as a critic of society and of the political process, the university ensures the protection of individual rights and freedom to teach to conduct research and to express the results of that research without interference from outside bodies.

Canada's most precious asset is its human resource. To play its proper role in the community of nations and to meet the needs of the entire society and of the world, Canada needs a citizenry with a keen sense of moral values and social justice and with a thirst for knowledge and learning. It is the university's responsibility to provide the maximum of the nation's human potential.

Education and training

In helping to meet the highly qualified manpower requirements of the nation, universities must respond to the short run and intermediate needs by providing graduates with specific knowledge and skills in specific disciplines, as well as individuals with a broad, general education for less specialized occupations. In the long term, universities are the centres from which will emanate the people with the well-trained analytical minds, the leadership skills and innovative capabilities that will enable Canada to develop a program of growth in the latter years of this century but well into the 21st century.

The universities will continue to develop the intellectual core of their students so as to enable them to respond to a variety of changing demands. There can be no argument over the need to provide students with a broad knowledge and education that is transferable. At the same time, it must be recognized that many of the most highly specialized professionals have acquired their first degrees in the humanities or the social sciences. Moreover, this pattern is strongly preferred, to one that involves narrowly focused professional training immediately following high school graduation. The broad knowledge and education base that disciplines will provide graduates with the necessary foundation and flexibility to enable them to pursue more specialized education programs and to change careers through the several different careers many of them can be expected to pursue during the course of their working lives.

While the mobility of individuals has been encouraged and supported, to the professional upgrading and to the retraining of individuals whose skills have become obsolete or outdated will assume ever increasing

importance. The effects of technology can only be speculated upon, but already fundamental changes are being felt in the marketplace as a result of technological advances. The role that the universities can play and will increasingly be called upon to play must be changing. The demands of society and of individuals is now a matter of paramount importance.

Manpower projections may serve as part of the broad background for the planning and development of Canadian universities. However, the current "art and science" of manpower forecasting is at best imprecise, and indeed it may never develop to the level required to permit the planning of the university system on the basis of projected manpower requirements. Planning, therefore, cannot be based solely on manpower projections.

A review of recent experience in Canada where reliance has been placed largely on the choices made by individuals suggests that the university system has been successful to an extraordinary degree in matching manpower supply with demand. It should not be forgotten that the challenges facing Canada over the next five years, and the challenges which they will have to contend with during the next five to ten years, include a rapidly changing technological environment and labour market. The immense size of the post-war baby boom and the consequent flooding of the labour market with new workers in the latter part of the 1970s and early 1980s coupled with a sharply increasing female participation rate could have presented an overwhelming challenge to any Western industrialized nation. Despite these demographic and social changes, the unemployment rate of university graduates as of September 1983 was 5.8 per cent, compared with an overall unemployment rate of 10.4 per cent. This outcome is in no small measure the result of the relative freedom of choice that students can exercise in selecting their course of study.

The AUCC recommends that the Royal Commission recognize that the planning of universities in Canada must continue to be largely the responsibility of universities. In this planning, they should take into account the current manpower forecasts.

Student mobility

Relative to the complexity of Canadian society, its level of social services, its wide range of resources and its present state of industrial development, Canada is a country with a small core of highly qualified manpower. The long-term development prospects for the nation demand that its intellectual resources be shared among the various regions of the country. As in the case of the constitutional issue about free and unhindered mobility of labour, perhaps of even greater importance with respect to highly qualified manpower is the need to ensure that barriers to the mobility of post-secondary students are minimized.

A review of the student body in the Canadian universities shows that out-of-province registrations of Canadian students represent less than 10 per cent of the total enrolment. Canada should take a national identity and succeed in fostering an understanding and appreciation of the differences that exist within its boundaries; university students must be encouraged to undertake either undergraduate or graduate study in another province and especially in a second language.

The AUCC recommends that the Royal Commission look into ways whereby student mobility of individuals should be encouraged and supported, for example, by the creation of a broad program of federally funded interprovincial bursaries and scholarships.

Research

The importance of research and development to the social and economic development of Canada and of the federal and provincial governments, the business community and organized labour are all agreed that research and development make the single most important contribution to long-term growth. In spite of numerous studies, commissions and reports dealing with research, however, Canada still does not have a coherent research policy.

At the present time, Canada spends 1.4 per cent of its GNP on research and development, even though targets of 1.5 to 2.5 per cent have been set by Liberal and Progressive Conservative governments, respectively. A number of provinces have research granting bodies to support research and development in narrowly defined areas. Business and industry must play a major role and development to acquire and maintain a competitive edge. Universities allocate a significant proportion of their effort and the time of their faculty to the research activity. Despite these interests and commitments, however, the research effort in this country remains fragmented and piecemeal. As a result, there likely are unexploited potential gains to further investment in research and development.

To support the overall research and development effort in Canada, the universities must continue to provide, through their various graduate programs, the necessary education and initial research training that must form the foundation of a successful research career in business, government or university. Most of the research in all fields of study, not only in the social sciences and the humanities but also in the natural and life sciences, is carried out in the universities. The use of the university as the primary venue within a single institution creates the potential for an interdisciplinary approach and breakthroughs which can have major social and economic implications. This falls between the basic and applied research which is being supported to a much greater extent than in the past as a result of the Strategic Grants Programs of the Natural Sciences and Engineering Research Council of Canada. Many of the larger universities, and especially those with engineering faculties, now are carrying out contractual and applied research.

The supply of researchers must be constantly replenished to maintain present levels of activity, to say nothing of increasing and improving the store of research personnel to meet the ever growing demand of an increasingly complex society. The age distribution of Canadian faculty is such that retirements will occur at a rapid pace in the 1980s. Accordingly, if the universities are to continue to meet the demand for researchers outside the universities as well as ensuring trained people to fill the vacancies caused by the retirements, a major effort in recruitment is needed. The research fellowships being offered by NSERC and proposed by SSHRC are a partial solution to some of the problems. AUCC suggests that the issue of recruitment and development now is being supported to a detailed study and analysis of the issue with the intent of recommending palliative measures.

The AUCC recommends, in view of the seriousness of the potential shortfall of some university researchers in the coming decades, that the Royal Commission set out specific corrective measures that the federal and provincial authorities' might consider.

Canadian society has a tremendous stake in closer cooperation between industry and industry. After years of relative isolation, there are two communities, there is an

increasing number of important cooperative ventures. Furthermore, senior corporate and university officials recently have established the Greater Higher Education Forum to forge a closer relationship between their two communities, to identify and to address some of each constituency's major problems and opportunities. In the process, to meet some of the country's most pressing challenges. Over the medium and long term, the increased understanding and cooperation between university and industry augers well for Canada and Canadians.

The role of universities in technology transfer will be greatly enhanced by the siting of industrial parks, industrial innovation centres, micro electronic technology centres and similar facilities associated with technology transfer on or close to university campuses. At this time it is difficult to predict the full economic impact of this development, but certainly it will warrant close scrutiny in the years ahead.

The AUCG urges the Royal Commission to recognize the necessity of developing a coherent national research policy. In particular, it recommends that the Royal Commission recognize that:

1. the training and early formative experience of almost all researchers take place in the universities;
2. universities must remain focal points for much of the basic research;
3. support for basic research must not be allowed to fall below an acceptable level;
4. the balance between basic and applied research must be continually monitored.

Social equity and accessibility

The expansion of universities during the last quarter-century had its roots in two widely held beliefs. The first is that higher education helps to promote social mobility by acting as a vehicle for social mobility. The second is that higher education assists in promoting economic growth and social development. Individuals demanded higher education as a means of bettering themselves and governments acceded to these demands because of a belief in economic growth and equity.

Universities have responded to these challenges by educating an ever increasing number of students, by providing the nation with highly qualified manpower, by contributing to the world of knowledge, by conducting pure and applied research and by providing a variety of community services. The objectives of social equity, economic growth and social development have been met only in part.

Much remains to be accomplished if members of all socio-economic strata in our society are to enjoy equal opportunity of access to higher education. Despite the federal and provincial program of loans and grants for needy students, members of the lower socio-economic groups are still under-represented in universities. Recent reports indicate that economic considerations are only one of the many factors influencing a student's decision to undertake work at the post-secondary level. The home environment, place of residence, ethnic group membership and gender are also significant factors which affect a person's likelihood of attending university.

The notion of accessibility to university studies is an issue of increasing importance in Canada. It has been the position of governments at both the federal and provincial levels that students who meet the admission requirements as set by the universities are entitled to pursue their studies at the university level, although not necessarily in the program of study or the institution of their choice. Most Canadians now consider that access to university should be assured to all individuals with the intellectual capabilities of pursuing studies at that level. Yet, as the human, physical and financial resources of the universities are stretched beyond re-

sonable limits, more and more universities are forced to turn away qualified applicants. The Association of Universities and Colleges of Canada holds the firm view that university education must continue to be accessible to all qualified Canadians and that universities must be funded at a level that will enable them to meet this objective.

Foreign Students

The problems that face foreign students in attempting to pursue their studies at the university level in Canada must be addressed. Six out of the ten provinces have imposed differential fees for foreign students. These fees range from a few hundred dollars to ten times the fees charged to Canadians.

Education, the development of skills, the transmission of knowledge and the advancement of research are fundamentally international in scope. Canada's system of education cannot help but benefit from continuing contacts with the international intellectual community. The potential contacts that foreign students represent and the maintenance of sufficiently high standards so as to attract them to Canada are important factors in the life of the university community. Clearly, Canada has both a responsibility and a vested interest in offering opportunities at the university level to foreign students.

The AUCG recommends that the Royal Commission recognize the importance of attracting foreign students into Canadian universities and urge the two levels of government to ensure that foreign student participation is both fostered and facilitated.

Federal-provincial fiscal arrangements

The Association recognizes that the mandate assigned to the Royal Commission dictates that it assess the long-term economic potential of the country. Accordingly, in this brief an attempt has been made to avoid excessive emphasis on the immediate problems facing the universities. For them to remain viable institutions, however, and at the same time be able to meet the needs of society twenty-five years from now, there are present difficulties to overcome.

No problem facing the universities is more serious and threatening than the underfunding of the system over the past decade. Its extent and the dire effects are well documented and need not be listed here. Suffice it to say that unless this trend is soon reversed and the universities provided with assurances of adequate levels of long-term funding, real and irreparable harm will be done to every one of these institutions and Canadian society will be the real loser. This outcome must not be allowed to materialize simply because the federal and provincial governments cannot agree upon their appropriate roles in the funding of universities.

The AUCG recommends that the Royal Commission propose to both the federal and provincial governments the need to provide an adequate and long-term level of funding for universities.

The universities have recognized the constitutional primacy of the provinces in all matters of education and some of them have emphasized the extremely important continuing role of the federal authority in support of the core funding of universities. On behalf of the government of Canada, the Department of the Secretary of State has stated clearly that the federal government must maintain a major role in postsecondary education because educational programs are necessary tools for the achievement of specific national objectives in such areas as general economic growth, manpower training, accessibility, mobility, research and technological advancement, official languages and Canadian studies. Complementary involvement by both levels of government in the support of universities is critical to improving the health of our universities.

Federal fiscal transfers to the provinces under the Established Programs Financing (EPF) Arrangements provide the essential underpinnings for the support of universities. The EPF arrangements provide for the transfer of funds from Ottawa to the provinces, nominally in support of various programs, including postsecondary education. It is becoming increasingly apparent, however, that the funds that the federal government had intended for post secondary education are not always being spent in that sector.

The AUCG recommends that the Royal Commission urge the federal government to amend the Established Programs Financing Arrangements to ensure that the federal funds transferred to the provinces in support of post secondary education are spent in that sector.

A sound and healthy university system is essential if Canada is to meet the social and economic promises that the future so clearly holds. Universities have a vital role to play in Canada's economic recovery and in the long term development of the nation. It is of the utmost importance that the country's future be enhanced by government policies that will ensure that the universities are funded at a level that will enable them to fulfill their many and varied mandates. □

Medical alumni hold meeting, honour Gold



Dr. Roy Gold, center, was named Medical Alumnus of the Year at the Medical Alumni's Reunion Dinner in Building last week. Shown here with Dr. Gold are Dr. John Crocker, left, president of the Medical Alumni Association; and Dr. R.O. Jones, right, honorary medical alumnus. (Carlos photo)

Almost 200 members of the Dalhousie Medical Alumni Association came back to Dalhousie last week from all parts of the United States and Canada.

They were here for their annual meeting, during which Dr. Brian Byrne, of Halifax, was installed as president, Dr. Drew Bethune and Dr. William Mason were installed as vice-presidents, and Barbara Blauvelt was made executive secretary-treasurer. Other members of the new executive include Drs. Carl Smith, Robert Anderson, Leo Peddie, Christine Abbott, Bruce Elliott, Terrance Higgins and Gerald Readson.

Two outstanding alumni, Dr. I. Roy Gold of New York and Dr. Robert Jones of Halifax were also honored at the meeting. Dr. Gold was presented with Alumnus of the Year Award and Dr. Jones was made honorary president of the association for 1983-84. As well, the first president of the

Medical Alumni Association, Dr. J.A. Murray, of Antigonish and Halifax, was presented with a past-president's pin.

Greetings were brought by president Dr. Andrew W. MacKay on behalf of Dalhousie, Dr. J. Donald Hatcher, Dean of the Faculty of Medicine and Dr. Roland Saxon of the Medical Society of Nova Scotia.

Reunions were also held during the week for the classes of '37, '43, '48, '53, '58, '63 and '68, with attendance at some reunions reported to be as high as 90 per cent. □

Academic Notes

The following awards are available to those eligible. For further information call in person at the Awards Office (AO), Rm. 124, A&A building, or at the Office of the Faculty of Graduate Studies (GS), Rm. 314, A&A building, whichever is indicated.

FUTURIST AWARDS

COMPETITION

Honorary Limited will present awards to successful competitors who submit essays predicting the development and the resulting societal impacts of the next 25 years in several technological areas. Possible topics include Biomedical Technology, Computers and Energy. (AO or GS)

POSTDOCTORAL FELLOWSHIPS AT BOSTON UNIVERSITY

The University Professors Program at Boston University has announced a University Professors Postdoctoral Fellowship in the Humanities for 1984-85.

The appointment as Fellow, considered an equivalent to the rank of assistant professor, is for one year without the possibility of renewal. Under exceptional circumstances one-semester Fellowships may be considered. The stipend for 1984-85 will be \$15,000. Normal fringe benefits will be added.

Completed applications for 1984-85 must be in the office of the director of the program by March 1, 1984. Applicants to the Fellowship must be American citizens who have received their Ph.D. prior to July 1, 1984, but not before 1981. (GS)

CANADA COUNCIL DEADLINES

Canada Council Arts Grants in music are available for singers and instrumentalists in classical music as well as for opera stage directors. The deadline for applications is Dec. 1, 83.

Short-Term, Project Cost and Travel Grants in creative writing (including playwrighting) and in dance and theatre (including playwrighting) are also available. The deadline is Dec. 1, 83.

The deadline for Short-Term, Project Cost and Travel Grants in film and visual arts (except critics and curators) is Dec. 15, 83. For more information, phone the Canada Council at 1-800-267-8282.

COMMONWEALTH SCHOLARSHIPS

The Canadian Commonwealth Scholarship and Fellowship Committee is pleased to announce the opening of competitions for the Commonwealth Scholarships for graduate study in 1985 in Australia and New Zealand. The deadline for receipt of completed applications for the above competitions is Dec. 31, 1983. For further information and application forms, write to the following address, stating the country in which you are interested: Association of Universities and Colleges of Canada, Commonwealth Scholarship Program, 151 Slater St., Ottawa, Ont.

K1P 5N1, or phone (613) 563-1236 (collect calls cannot be accepted).

A NEW HIGHER EDUCATION JOURNAL FROM AUSTRALIA

The Higher Education Research and Development Society of Australia will publish a twice yearly journal to serve the needs of teachers, researchers, students, administrators and everyone concerned with the future of higher education. Individual subscriptions are available at \$35 (US) by writing HERDSA, c/o TERC, P.O. Box 1, Kensington, NSW 2033, Australia.

ECONOMICS PUBLISHES 1982-83 ANNUAL REPORT

The Economics department's latest annual report provides an overview of its activities during 1982-83.

Highlights in the publication field include seven books by faculty members which have been, or will be, published.

Paper presentations at Learned Society Meetings and other academic events sent faculty members as far away as Argentina, Japan, Zimbabwe, the Netherlands, France, Belgium and Italy.

Sports Shorts

by Craig Munroe

BLUENOSE CLASSIC

The first annual Dalhousie Bluenose Classic Basketball Tournament is slated for this coming weekend. Nov. 25 and 26, at the Dalplex, and early indications are that it will be an exciting weekend of basketball in Halifax.

In the men's division, the host Tigers, who are 6-0 against Canadian competition so far this year, will receive stiff opposition from Saint Mary's University, the Nova Scotia Stars, and Bentley College from the United States. In the women's division, the 6-0 Tigers, who swept two games against Memorial last weekend, 51-46 and 62-48, will see their competition come from Saint Mary's, York University and Université Laval. The tournament will feature four games on both Friday and Saturday. All-day passes are available.

DALHOUSIE SUPER SKILLS HOCKEY CAMPS

Fall and winter hockey camps are continuing at the Dalhousie Memorial Arena. Upcoming sessions include power skating, strategy and team play, puck control and goalkeeping. For further information, contact Darrell Young, director of the Dalhousie Super Skills Hockey Camps, at 424-3752.

VOLLEYBALL

The Dalhousie Tigers men's and women's volleyball teams travelled to Newfoundland last weekend (Nov. 18-19) for two matches against the Memorial University Beothucks, with each team splitting its respective series. In men's action, the Tigers handed Memorial their first loss of the year in AUAJ play when they outscored the Beothucks 15-5, 15-13, 15-11, 15-13, 15-12, in their first match. Memorial banded back the next day and gained a series split with a straight game victory of 15-17, 15-15, 15-6. The weekend leaves the Tigers with a 3-6 record in AUAJ play this year.

The women's volleyball team entered the weekend with a 2-0 record, identical to Memorial's, and finished the weekend 3-1, still tied with the Beothucks. The Dalhousie women won the opening match in straight games, 15-7, 15-1, 15-16, but failed in their bid to sweep the series as they lost the next day's contest by scores of 15-6, 15-8, 15-9, 15-13.

SWIMMING

The Dalhousie swim team had a busy schedule last weekend competing in three meets, two AUAJ and one exhibition. Unfortunately, all the results were not available at

press time, but both the women's and men's teams did defeat the University of New Brunswick in their meet in Fredericton on Saturday, by scores of 63-31 and 51-30, respectively.

PRE-OLYMPIC BASKETBALL TOURNAMENT AT DALPLEX

An exciting tournament is in the works for basketball fans. Four Olympic teams will gather at Dalplex for a Women's Pre-Olympic Basketball Tournament on Dec. 17 to 20.

Bulgaria, Canada, Cuba and the United States are all expected to enter teams. The Canadian Olympic Team, featuring two Dalhousie students, Anna Pendergast and Heidi Bauer, is having its training camp at Dalplex a week before the tournament. See the next issue of Dal News for more details.

HOCKEY

The Dalhousie Tigers men's hockey team is 1-3 in the early going of the AUAJ this year, their next home game being Wednesday, Nov. 30, when cross-town rivals, the Saint Mary's Huskies, invade Dalhousie Memorial Arena for a contest on Coca-Cola night.

Trivial

THIS WEEK'S QUESTIONS

The university's founder Lord Dalhousie was a professional soldier of proven courage and competence. In what famous battle did he fight and which two generals of approximately the same age were also in that battle?

Which famous Scot was one of Lord Dalhousie's classmates?

ANSWERS TO LAST WEEK'S TRIVIAL

The following five provincial premiers, who were in office during the seventies (some are still in office), graduated with LLBs from Dalhousie:

Allan Blakeney, 47, Saskatchewan
Gerald Regan, 52, Nova Scotia
John Buchanan, 55, Nova Scotia
Richard Hatfield, 56, New Brunswick
Alex Campbell, 58, Prince Edward Island

Four prime ministers of Canada, Sir Charles Tupper, R.B. Bennett, Joe Clarke and Pierre Trudeau, are Dalhousie alumni. Prime Minister Trudeau, the most recent graduate, received his honorary LL.D. at the Law Convocation in October.

The Faculty Club

Egg Nog Day

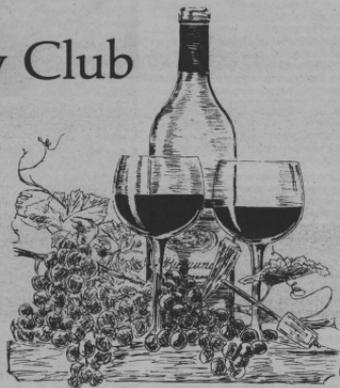
Wednesday, December 21st — Egg Nog and Hip of Beef (free to members) will be featured with plenty for everyone. The festivities begin at 12:00 noon. The Staff will keep Egg Nog and Hip coming until everyone has been served, therefore members are advised that they do not have to be at the Club prompt at noon! No reservations are accepted, and members are limited to 3 guests. Price to non-members \$6.00 per person.

Twofers

Friday, December 2 and Friday, December 16 the Pub will feature English-style Fish and Chips during the hours of 4:30 to 6:30 pm

Holiday Hours

The Faculty Club will be closed on the following dates: December 23, 24, 25, 26, 30, 31, January 1. During the period of December 27-29, the Dining Room will be closed; however, the Pub will be open to Members between the hours of 11am-6pm.



Beyond Dahousie

SECOND REPORT ON PHD GRADS

Statistics Canada has just released its second report in an annual series on post-graduation plans of 1982 PhD graduates.

According to the report, overall employment patterns were similar to 1981. In the 1982 survey, which was based on 1,192 respondents, 85 per cent of graduates had accepted employment, 12.5 per cent were seeking employment, and 2.5 per cent were not seeking employment.

In both the 1981 and 1982 surveys, 23 per cent of the graduates were planning to accept a postdoctoral fellowship, award or grant.

The highest percentages of employment were in the fields of health, physical sciences and mathematics, with the lowest percentages in the humanities and fine arts. These findings are consistent with previous surveys conducted at all degree levels in the 70s.

The 1982 survey also showed that 53 per cent of respondents who accepted employment were working in the field of university education, with 48 per cent in engineering and applied sciences and 55 per cent in mathematics and physical sciences. Both represented marked increases over 1981 levels.

The proportion of graduates expecting to work in Canada declined to 71 per cent from 74 per cent in 1981. Fifteen per cent indicated that they would go to the U.S., with one per cent going to the U.K. (from AUCC Notes).

SMU TO BE SITE OF REGIONAL ANALYTICAL FACILITY

Saint Mary's University is the home of the new Nova Scotia regional x-ray fluorescence analytical facility for the analysis of rock and soil samples. The facility is being established through grants, totalling nearly \$300,000, by the Natural Sciences and Engineering Research Council of Canada (NSERC).

The regional facility will be used by geologists and chemists throughout the Maritimes. Dahousie, St. Mary's, Acadia, St. Francis Xavier and Mount Allison universities are all co-signers of the agreement to establish the facility.

WOMEN'S INFORMATION, REFERRAL SERVICE

The Women's Information, Resource and Referral Service, in its continuing efforts to provide a quality direct service to women in the community, is encouraging interested women to become members.

A newly designed training program, which includes workshops on self-awareness, self-assessment and listening and counselling skills, is being offered for women who would like to become involved as volunteer members of WIRRS.

A detailed information package and an application form may be obtained by contacting the WIRRS office at 429-4363, Monday to Friday, between 9 a.m. and 4:30 p.m. Interested women may also drop by the office at 1593 Dresden Row.

SENIATOR PROPOSES YOUTH DEPARTMENT

Senator Jacques Hébert recently released his proposal for the creation of a Department of Youth.

Among its tasks, the new department would promote the founding of and provide the financial support for a labour university or institute of advanced technology patterned after existing models in Great Britain and Belgium. According to the proposal, the university would be bilingual and would be located in Ottawa with branches in each province and would be free and open to young Canadians interested in high technology but who do not have the means to study in traditional universities. (from the AUCC Lobby Update)

DONAHOE ELECTED CHAIRMAN OF CMEC

Nova Scotia's education minister, Terence Donahoe, has elected chairman of the Council of Ministers of Education (Canada) for 1983-84.

As chairman, Mr. Donahoe said he will serve on the steering committee of the CMEC to examine a number of issues, including the quality of education, particularly at the secondary level, the increased complexity of financing all levels of education, the impact of computers and new information technologies on the classroom, and research in universities.

THREE LECTURES FROM VISITING NORWEGIAN PROF

Dr. Berit As, a visiting professor at Mount Saint Vincent University's Women's Studies Program, will give three public lectures before returning to the University of Oslo in Norway next month. Dr. As is well-known as a social scientist, feminist and politician. She will lecture today, Nov. 24, about *How Do We Survive Without Slaves? — Women As Property*, on Dec. 1 about *Why Only One View Tells the Truth and Keep Her Mouth Shut*, and on Dec. 8 about *The Gender Uprising of Women and Why It Cannot Be Stopped*.

All lectures are at 7:30 p.m. in the Mount's Stetson Academic Centre, Auditorium A.

LAURENTIAN LOOKING FOR PRESIDENT

Laurentian University invites applications or nominations for the position of President, commencing July 1, 1984. Laurentian, a bilingual, federated institution, currently enrolls 2,800 full-time students and 4,500 part-time students on and off campus.

The President should have proven leadership and administrative abilities at a senior level, a demonstrated academic background and be integrally bilingual upon taking office.

Written applications or nominations, accompanied by a resume of qualifications and names of referees, will be received in confidence by: Mr. R.E. Chrysler, Secretary, Search Committees for the President, Laurentian University of Sudbury, Ramsey Lake Road, Sudbury, Ontario, P3E 2C6.

ONTARIO UNIVERSITY WAGE INCREASES LIMITED

Ontario university employees will face another year of restraint, with wage increases averaging five per cent.

Ontario Treasurer Larry Grossman recently announced a revised provincial government restraint program for the public sector which restores collective bargaining rights to public employees but limits the amount of money available for wage increases to an average of five per cent.

FORMULA FOR A NEW UNIVERSITY

The Ontario Ministry of Colleges and Universities has made public the Report of the Committee on University Education in North-eastern Ontario.

The nine-member committee, under the chairmanship of Harry Parrott, former minister of colleges and universities in Ontario, has recommended that Algoma College, College de Hearst, Laurentian University and Nipissing College become semi-autonomous campuses of a new university structure to be named University of Champlain. Each campus would have its own principal who, in turn, would report to the president of the new university.

The committee has also proposed that the university's senate and board of governors be 25 to 30 per cent francophone and that senior administrators, including registrars and the senior librarian, be bilingual. (from AUCC Notes)

MANITOBA SEEKS DEAN

The University of Manitoba is looking for candidates interested in the position of Dean for its Faculty of Science. Candidates should have an active commitment to research in a major field of science and to advancing higher education in science, and should possess strong leadership ability. Relevant administrative experience and knowledge of the Canadian educational system would be assets. The appointment is expected to commence July 1, 1984 and will be for a term of five to seven years.

The deadline for applications is Dec. 31. Further information is available from: Dr. F.G. Stambrook, Chairman, Advisory Committee for the Dean of Science, Room 202, Administration Building, University of Manitoba, Winnipeg, Manitoba, R3T 2N2.

NEW CHAIRMAN FOR MSCU BOARD

Lawrence J. (Larry) Hayes, Q.C., is the new chairperson of the Mount Saint Vincent University Board of Governors.

Mr. Hayes received his BA in 1959 from Saint Mary's University and graduated from Dalhousie Law School in 1962, when he was also the winner of the University Medal in Law.

Mr. Hayes is a director of the Atlantic Provinces Transportation Commission, a member of the Joint Committee on Taxation of the Canadian Bar Association and Canadian Institute of Chartered Accountants.

CANCER SOCIETY SUPPORTS CONTINUING MEDICAL EDUCATION



A cheque for \$4,000 for continuing medical education was presented by Alf Joergensen of the Nova Scotia Division of the Canadian Cancer Society to Dr. J.D. Hatcher, Dean of Medicine at Dalhousie, during the 57th annual Dalhousie refresher course for physicians. During the three-day session, a complete afternoon was spent discussing current incidence, prevention strategies, diagnosis and follow-up management of cancer patients. (Tupper A/P photo — Sasnek)

Board and Senate Notes

COMMITTEE APPOINTMENTS

C. Helleiner (Biochemistry) has replaced E. Flint on the Committee to Advise on the Appointment of a Vice President (Academic). D.M. Lewis (Engineering) will serve out the term of A.C. Thompson on the Committee on Academic Administration. Dr. Phyllis Stern (Nursing) will serve on the President's Committee on Employment of Women, Handicapped Persons, and Members of Minority Groups.

CORRECTION ON PRESIDENT'S COUNCIL MEMBERS

The membership list for the President's Council was printed incorrectly in the Nov. 24 issue of Board News. The correct list includes: C. Axworthy (Law), M. Bradford (Economics), R.W. Chambers (Biochemistry), A.D. Cohen (Medicine/Clinical Research Centre), K.A. Durn (Mathematics), S. Sherwin (Philosophy) and M. Tomlinson (Student Union).

BUILDING DEVELOPMENT CONTINUES

The Building and Grounds Committee has reported that substantial progress has been made in implementing energy conservation measures. As well, seating is being installed in the Memorial Arena and landscaping around the arena is underway.

J.G. Sykes, director of planning and development, says about 40 energy saving measures, mostly of the "turn-on/turn-off"

nature, have been put into effect on campus. He estimates these measures will save Dalhousie about \$100,000 a year and will cost nothing to implement.

The seating and landscaping for the arena is proceeding "satisfactorily" and is being paid for by a federal government grant.

SOCIOLOGY DEBATE

Dr. John Holey, a visiting professor from the University of Winnipeg, and Dr. Henry Veltmeyer, chairman of the SMU department of sociology, will debate *Mart's and Weber's Debate on Class: Some Recent Issues*, Friday, Dec. 2 at 2:30 p.m. in Room 300 of the Sociology and Social Anthropology Complex (corner of Seymour and South Streets).

LECTURE ON AGING AND DYING

Health scientist Victor Marshall of the University of Toronto will deliver a public lecture on "The Sociological Aspects of Aging and Dying" on Dec. 8.

Dr. Marshall's talk is sponsored by the sociology and anthropology departments of Dalhousie, Saint Mary's and Mount Saint Vincent Universities and will be delivered at 8 p.m. in the Mount Saint Vincent Art Gallery. Dr. Marshall has written extensively on the sociology of aging and the sociology of medicine. He was instrumental in introducing classes at the universities of Calgary and McMaster on aging and the sociology of death and dying. He is currently associated with the Department of Behavioral Sciences at the University of Toronto.

CARE OF THE AGED SEMINAR

A seminar on care of the elderly will be given by Pat Melanson and Sharon Richardson of Dalhousie's School of Nursing on Nov. 28 at 7:15 p.m. in the MacMechan Auditorium of the Kalam Library.

Topics for the seminar are *A Comparison of the Self-Identity of Older Individuals Living at Home With Older Individuals Living in a Nursing Home and The Relationship Between Hearing Impairment and Social Disengagement in the Elderly*. The seminar is part of a series of six presentations being given by local nurses involved in nursing research projects and has been designed to promote interest in the community.

CRAFTSMEN'S CHRISTMAS MARKET COMES TO DALPEX

The much loved, twelfth annual Craftsman's Christmas Market will be held this year in the Dalplex fieldhouse, Dec. 2, 3 and 4. There will be 116 booths, representing craftspersons from all over the Atlantic provinces.

Organizer Kate Carmichael says participants in the market are strictly juried to ensure a high quality of exhibits.

Admission will be \$1 per day for adults with free parking. Santa will be on hand to give out Roger Hugman doodies and candy canes. Open hours will be 1 to 10 p.m. on Friday, 9 a.m. to 6 p.m. Saturday and 1 a.m. to 5 p.m. Sunday.

The fieldhouse of the Dalplex will not be available to members from 8:30 a.m. on Dec. 1 until after the market closes. Members may still make full use of the rest of the facilities.

ADVERTISING'S IMAGE OF WOMEN

An illustrated lecture entitled *The Naked Edge: Advertising's Image of Women* will be given Nov. 30 at 8 p.m. in the McInnes Room of the SMU.

The presentation consists of 140 slides of advertisements with a commentary. Guest lecturer is Dr. Jean Kilbourne, writer and media analyst. Admission is \$5 and \$3 for students.

DSA CALL FOR RESOLUTIONS

The latest DSA amendment to the constitution makes specific provision for the hearing and acceptance of resolutions from the general membership at the Annual General Meeting in January.

The purpose of having resolutions forwarded by the members is to provide the executive committee with guidance for the year. If members accept a particular resolution, it becomes an instruction to the executive committee. In the absence of such a process, the executive acts and makes decisions without any clear guidance from the membership.

DSA members are therefore invited to formulate resolutions for the Annual General Meeting in January, 1984. Resolutions should be submitted to the communications committee in care of the DSA office before Dec. 10 (deadline for the January newsletter), so they can be published before the meeting.

DAL SCUBA DIVES

A shore dive on the wreck of the *Hulda* will take place on Sunday, Nov. 27. A moderate hike is required to reach the site but the reward is great, as the wreck is one of the most intact on the coast. The sheltered lagoon is a must for biologists in the club. It tems with life.

The *Costa Rican Trader* will be the first target of a boat dive of the harbour wrecks on Saturday, Dec. 3. If time permits, a second dive will be made on the *Tribune*. On Sunday, Dec. 11 a shore dive on the wreck of the *Letitia*, a vessel which served as a hospital ship during the second world war.

WORKSHOP ON THE OLDER LEARNER

A workshop for faculty members entitled *Will Our Older Students Transform Our Teaching Perspectives?*, is being sponsored by Dalhousie's Learning Resource Services. Discussion will include issues related to how older students learn and why they transform teaching perspectives.

The session, with Dr. Stephen Frick and Patricia Morris, will be held at 4 p.m. on Friday, Dec. 2 in the Learning Resources Centre.

TUITION ASSISTANCE

Awards director Gordon Steadman wants to know if you are aware of any students who are having difficulty paying their tuition or who have not paid tuition. Temporary loans are available for those who need housing and other necessities while awaiting student loans.

WINTER LEISURE, FITNESS & AQUATICS CLASSES

The Dalplex flyer on new winter classes should be out in late November. Be sure to pick one up for information on some great new classes as well as old favourites.

FITNESS FASHION SHOW

Want to look fashionable and be comfortable this winter? Come see the new line of casual and active wear at the Sportwear Fashion Show in the Dalplex on Dec. 7 at 7 p.m.

The fashion show will feature active wear (for indoors and outdoors), sportswear, and comfortable casual wear. Five new retail stores in the metro area will demonstrate the ever-changing styles that reflect today's new look.

The fashion show will be held in the Dalplex fieldhouse with a reception afterwards. A warm invitation is extended to all — please come and fit us in at Dalplex.

ENTRANCE SCHOLARS PARTY AT PRESIDENT'S RESIDENCE



A reception for entrance scholarship recipients was held at the President's residence recently. Suzanne Kinsman, assistant director of Alumni Affairs, holds the official guest book while Dean of Men Pat Donahoe and other award winners look on. (Carlos photo)

FINANCIAL MANAGEMENT SEMINAR

Drawing on their professional experience and reputations for tight budget control, Halifax City's comptroller Ike Kent and director of finance Bernard Smith will lead a seminar at Dal's Institute of Public Affairs on Dec. 1 and 2. Their topic will be Effective Financial Management Strategies.

The seminar is designed for municipal financial administrators who must deal with taxpayers' demands for more and better services while at the same time holding down tax increases. The seminar is part of a series for local government officials, which is being funded by the Maritime Municipal Training and Development Board, an agency of the Council of Maritime Premiers. For further information or to register, contact Vivian Jennings at 424-2526.

GIVE DALPEX FOR CHRISTMAS

The Dalplex may be a little too big to wrap but it makes a great Christmas gift. By late November, the Dalplex will have lovely Dalplex gift certificates (for memberships or classes) and special 10 or 20 visit passes for family and friends this Christmas. Give the gift of fun and fitness this year.

Classified

SUBSCRIBE TO DALHOUSIE REVIEW. Help Dalhousie — only \$10 for four issues. Call Helen Gorman, local 2541. Christmas is Coming.

ELEGANT FUR COAT. Blue mink with raccoon collar, size 8 petite, call length. Excellent condition. \$800 or best offer. Call 423-9071 after 5 p.m.

A BICYCLE BUILT FOR TWO. White Glare tandem bicycle available with or without "Kicker Crank" in St. Margaret's Bay. \$500. Call 423-0741 after 5:30 p.m.

ATRYL SACRIFICIAL SALE AT \$11,000. Fireproof Sailing Shoes. Easy, comfortable, save, very trailerable (drop heels). Pop-top cabin, roomy cockpit, hood main and jib, 6 hp Johnson outboard, cradle Sea "Anzures" in St. Margaret's Bay at Hackett's Cove and call 823-2551 after 6 p.m. and weekends.

WOMAN'S FULL LENGTH FUR COAT with wolf collar, size 13/14, value \$800, selling for \$350 or best offer. ALSO, woman's full length burgundy leather coat with removable lining, size 13/14, \$50. Call 463-8791 after 6 p.m.

DIAMOND ENGAGEMENT RING and matching wedding band, 14 k gold \$350 for the set. Call 471-6966.

NECKLACES. 3 of amethyst beads, 2 of garnet beads, 2 of amethyst quartz beads. All are 18" long \$20 each. Call 471-6966.

INTELLIGENCE (Tandy Vision) VIDEO GAME with 2000+ words. Easy, comfortable, save, very trailerable (drop heels). Pop-top cabin, roomy cockpit, hood main and jib, 6 hp Johnson outboard, cradle Sea "Anzures" in St. Margaret's Bay at Hackett's Cove and call 823-2551 after 6 p.m. and weekends.

OYSEY II TV GAME and three cartridges for sale. 429-4016 evenings and weekends.

LOST ROLEX WATCH. Lost in life Sciences Building common area/venting machine area, main floor. 9 to 10 a.m., Oct. 26. If found call 424-3667 or 443-1007. \$100 reward.

FOR SALE 1983 YAMAHA 750 VIRAGO motorcycle, 3800 km. Still under warranty. Two full coverage helmets included. Excellent condition. \$3,300 or better offer. Ph. 829-9698 after 6 p.m.

3-PERSON SOFA for sale. Beige cotton fabric, hearted, modern design, excellent state. Can be converted into a double bed. Price: \$250. Please call Beatrice or Philippe Tangy at 445-5215.

DIVING WEIGHTS for sale. (4 lbs.) \$250 each. Call 422-6058.

FOR SALE. One pair ladies winter boots, size 8, medium width, brown suede. One pair ladies sandals, size 8, narrow width, orange, 2 inch heel. Phone 469-1568.

FLAT WANTED. Faculty member needs 2 or 3 bedroom flat south of Quinpool Road. Phone 429-4016 evenings and weekends.

FOR SALE. Projects in Search of Development Six Case Studies Project Directed by Ian MacLester, ed. Michael Cleland. Case studies of six diverse Nova Scotia projects, including the Halifax Convention Park, the Halifax Shipyards, and the Waterfront Development Corporation. The studies, based on original research, attempt to pinpoint the reasons for successes and failures in the six projects. \$9.50 per copy. Contact the Institute of Public Affairs at 424-2526 for a free catalogue and further information.

LARGE MEN'S PARKA. Goose down and leather fitted, very warm, very clean, almost new condition. Would cost about \$200 new, selling for \$100. Call John at 423-4923.

If you have something to sell or rent, or if you want to buy something, this space is reserved for you. *Da News* will list your Classified Ad, free of charge. Just send in your submission (please keep 8 as short as possible) with a request for how long to run (we will try to run) for as long as possible, space permitting to Classified. *Da News*, Public Relations Office, Dalhousie University, Halifax, N.S. B3H 3A1. Please include a phone number, which will only be published on request. Sorry, no phone submissions accepted.