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Lakehead University AgorA

THUNDER BAY, ONTARIO VOL.5 NO.10 NOVEMBER 1988

Early Carl Ray originals donated to University by Jordon family

A generous gift by Marjorie and Justin Jordon of Iroquois Falls was made public in early October. Three original paintings by the late Sandy Lake artist Carl Ray have found a permanent and welcome home at Lakehead University.

The family said "Lakehead University was chosen because of family ties." Six family members are alumni and Justin Jordon served on the Board of Governors from 1969 to 1972 and helped establish the paper technology course.

Joy Lawson, Director of Student Services, received the collection on behalf of the students of Lakehead University from Pat Saltarelli, daughter of the Jordon's.

The three early works of Ray's include "Guy-an-way", which is reported to have been the artist's favourite. "The Lonely Man" illustrates for children the fate of a man who committed evil in life and could not ascend to heaven. It clearly portrays the man's agony. "Iyas and the Serpent" is one of Ray's earliest works, and completes the collection.

Carl Ray's work was "full with imagination and natural power." That description came from James Stevens, who collaborated with Ray on a book titled *Sacred Legends of the Sandy Lake Cree*, published in 1971. Ray translated the legends of his people and illustrated the stories.

His illustrations and paintings accurately captured the mood or theme of the legends.

The appeal of his work was tremendous. "The colourful paintings I saw emanated a mystic, supernatural quality that tried to possess the beholder," wrote Stevens in the introduction to the book of legends.

John Russell, Director of Community Relations, said the art pieces will be on display in the Chancellor Patterson Library but may rotate locations to ensure that the university community and the public has easy access to viewing.

Students march

On Monday, October 31, the Ontario Federation of Students marched on Queen's Park to protest what they termed "chronic underfunding of the post secondary education system in Ontario".

Lakehead University students staged a concurrent march from the Minister of Colleges and Universities' office at Victoriaville to Mini Queen's park. Students packed four buses and an estimated 300 people, including President Rosehart, LUFA President Ernst Zimmermann, members of faculty, and administration expressed concern over possible deregulation of tuition fees next spring and underfunding issues in general. The students' press release mentioned leaking buildings, portables, old equipment, lack of teaching assistants and lack of library acquisitions. President Rosehart said, "this is the wrong time to start talking about tuition fee increases for Northern students."



The power of Carl Ray's work is evident in the painting "Iyas and the Serpent", being held in the photograph above by Pat Saltarelli, left, and Joy Lawson, Director of Student Services. The piece to the left is "Lonely Man" and the dramatic scene on the right was the favoured "Guy-an-way".

Report From the President



Dr. Bob Rosehart

New Agora Format Survey

Comments to date favour the new format. So much for my opinion!

Election '88

(a) Federal

Approximately 95 cents of every dollar of government support to Lakehead University comes from the Federal Government via Ontario by means of the EPF (Established Program Funding) transfer payments for post-secondary education and health. In recent years, the federal payments have been capped in their ability to meet the total cost of inflation, and this, along with the ultimate use of the EPF funds by the Province, have been long-term contributors to underfunding. The Treasurer of Ontario, Mr. Nixon, has already indicated concern over the level of next year's EPF transfer to Ontario.

In the 1984 election campaign, the Prime Minister indicated that he would double, on a per capita basis, Canada's Research and Development expenditures. This has not happened, and the granting councils important to Lakehead University, N.S.E.R.C. and S.S.H.R.C., continue to operate under very constraining budgets. The end result is lower success rates for applicants in peer reviewed competitions.

During the coming weeks of the federal campaign, if you get the opportunity, ask the candidates for their views on post-secondary funding.

On the local scene, one of the federal candidates is supporting the establishment of an ecology orientated science centre for Thunder Bay.

(b) Municipal Elections

Lakehead University is big business for the City of Thunder Bay with a payroll of the order of \$25 million. What more can the City do to enhance the work of the University and the "experiences" that our students have when they choose to live in Thunder Bay for their post-secondary education? What about special student "term long" bus passes?

Tuition Fees

Pressure continues to mount on both the magnitude and the mechanism of determining tuition fees in Ontario. Two distinct issues currently under discussion include:

a) Deregulation of Fees

This is the U.S. model in that universities would be allowed to charge what the market could bear. This would be a major blow of equal access to publicly funded universities of quality in this Province. This "rich get richer" approach is argued by some institutions as the only way to generate the revenue necessary to deliver the "world class" quality of education experience which these particular institutions strive for. I don't buy the argument.

(b) Level of Fees in a Regulated System

Currently, our students pay about 18% of the cost of their post-secondary education. In 1965, the percentage was about 24%. Opinions exist in the University system that would argue for a one-time adjustment back to the 24% level. For the average Lakehead University student, this would mean an increase of about \$400 per year. Because of our interest in improving accessibility for Northwestern Ontario students, to date, Lakehead University has favoured leaving the tuition fees at their current relative levels (other very progressive industrial nations have, in fact, zero tuition fees).

Linkages

Recently, Lakehead University signed a protocol of co-operation with the University of Minnesota in Duluth. This formalizes many interactions that have and continue to take place with the University of Minnesota in Duluth. Once again this year, the jointly funded research grants program will be sponsored by Lakehead University and UMD. Shortly, Vice-President Weller will be providing information to the academic units.

Near the end of November, a group of senior Soviet officials (including the Deputy Minister of Advanced Education) interested in northern post-secondary education will pay a formal visit to Lakehead University.

Residence Sod Turning

After an absence of some 17 years, a major construction project is underway on the Lakehead University campus - our new townhouse residences. Hopefully by next Spring, Lakehead University will have made progress on the Regional Education Centre Project as classrooms are increasing in short supply.



Lyn McLeod, Minister of Colleges and Universities, and Dr. Colquhoun, Chairman of the Board of Governors, at the site of the clearing for the new residences.

Tidbits

. Archbishop Scott of the Scott, McBain, McKay Health Inquiry Panel told me that the presentation to the panel by our Native Nursing students was one of the best presentations to date. He was very pleased by the initiative undertaken by the Lakehead University students.

. M.C.U. sponsored conference on the College/University Interface was quite good and demonstrated the need to enhance "cross over" and "ladder" programs between the colleges and universities. In today's world of lifelong learning, the original college mandate of "terminal education" is a no sale.

. Received an interesting letter from Derek Apple (L.U.'88) who is undertaking graduate studies at the University of Oregon in Eugene. He notes that a parking sticker at the University of Oregon does not guarantee you a parking place but rather is more like a licence to hunt for one.

. I thought I smelled smoke on the second floor the other day.

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President Rosehart and a senior student at Hammarckjold High School discuss issues raised at the October 13 forum on post-secondary education. University and College representatives met with students to discuss their concerns about tuition fees, accessibility, grades, program options and university life in general.

Positive Input

Increasingly, I feel that the Lakehead University community should take pride in the accomplishments of the institution's programs and graduates. In Windsor recently for the C.O.U. tour (the M.P.P.'s wife is an L.U. grad.), in Toronto for the M.C.U. conference, and in some direct interactions with high school students at Hammarckjold, the comments are extremely positive.

Faculty Club Study

I have looked over the preliminary study co-ordinated by John Jamieson on the feasibility of a faculty club at Lakehead University, and I have been encouraged by the response to date. Although much work has yet to be done, an excellent start has been made.

A.U.C.C. Meeting

Recently, the Canadian university presidents met in Winnipeg for a one-day session on the topic of "Teaching and Learning". A considerable focus was placed on the learner and the need to create an environment that maximizes the creative and intellectual abilities of our students.

Presidential Trivia

What Ontario university president drives a vehicle the same age as the university? Telephone your answer to Linda Phillips at Ext. 8200. L.U. glasses will be awarded as prizes for the first correct answer.

P.S.

I would like to speak with any regular readers of the cartoon "For Better, For Worse."

HOST FAMILY PROGRAM FOR INTERNATIONAL STUDENTS

Students who leave home to attend university often feel lost and confused. The problem is compounded when students come from other countries. International students must not only adapt to university life, they must also adjust to living in a different culture.

Lakehead University is taking part in a new program to help international students adjust to their new lives in Canada. The Host Family Program is being run under the auspices of Student Services and the International Christian Fellowship Group.

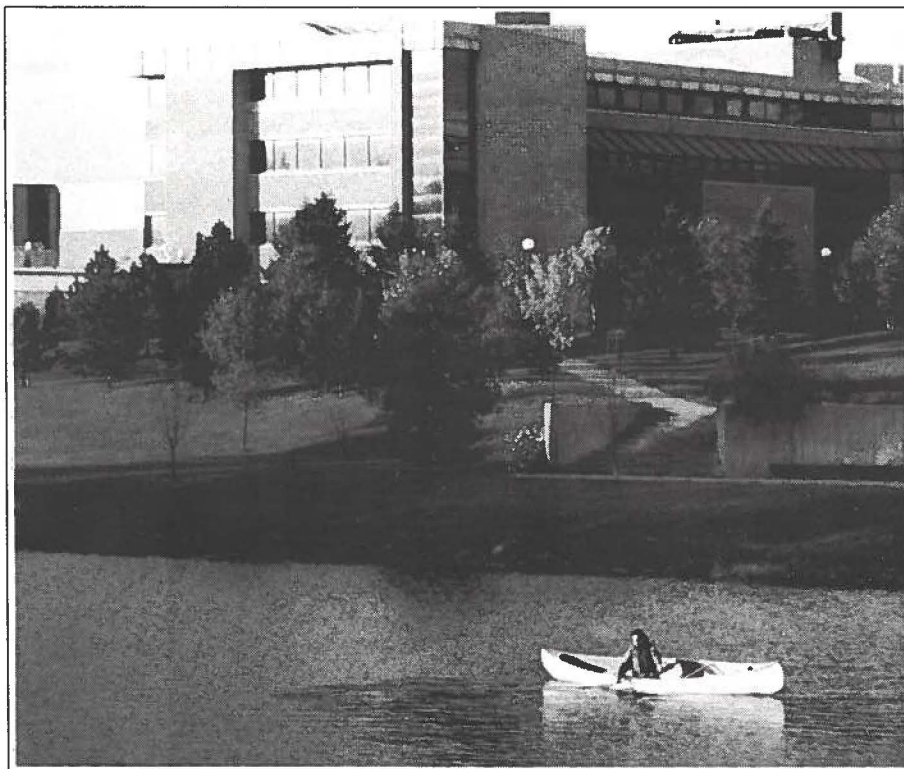
Hedi Kogel, program co-ordinator, said "our hope is to link up (international) students with a number of Canadian families in Thunder Bay in order to build up cross-cultural friendships between international students studying here and families in Thunder Bay." During a typical get-together the family and student could have dinner, go to a movie or just sit and talk.

Kogel believes the program will benefit both students and host families. "Families could help with adjustment to a new culture," she said. For the families who become involved, close contact with an international student would promote an understanding how people live in other cultures.

The program is new at Lakehead University, although it has been operating at other campuses for a few years. So far, about 65 families have expressed an interest in the program. Kogel said the challenge is to make contact with the students who could benefit most from the Host Family Program.

Through contact with a family, the students would have someone to turn to if they are confused about different aspects of living in their new environment. Things we take for granted, such as going to pubs, shopping malls or slang expressions, could be confusing to some people. Kogel noted that the definition of family has changed and includes single parents or an individual.

For more information, or to become involved in the program, please contact Hedi Kogel, 344-9172.



Holly Mathias, 2nd year Outdoor Recreation student, solos on Lake Tamblyn as part of a practical elective which includes six weeks each of canoe and kayak instruction. Scant but recent snow flurries remind us that this tranquil late October scene will soon be replaced with the crunchy sound of skates on ice.

LU Site of CASIT Conference

Lakehead University was selected by the Canadian Association of Single Industry Towns as the site for one of their national regional conferences to



Dr. Connie Nelson

discuss economic and social policy changes in resource-based communities. Last spring, a similar conference was held in Saskatoon and this September in Vancouver.

Several faculty participated in the three day conference held October 14, 15, and 16. Fifty-four students currently enrolled in Social Work 3313, a course that focuses on community development issues in resource-based towns, were also in attendance. Dr. Robert Rosehart, President, welcomed all those in attendance and provided some background on how Lakehead University is

currently instituting its Northern mandate. Invited conference papers were presented by Dr. Connie Nelson on "Leadership, Understanding, and Commitment in Northern Communities" and Dr. Chris Southcott on "Northern Development: An International Perspective". Visibility for the new Centre for Northern Studies was provided through the active participation of the Centre's Director, Dr. Paul Watts, and by his chairing the Sunday morning session entitled, "The Community Role in Resource Development Issues".

Dr. Nelson commented that the students were very pleased with their active role in the conference and with the opportunity to take learning out of the classroom and into a very dynamic real world setting.

The conference focused on exploring potential roles for the federal and provincial governments as well as communities in securing sustaining and stable futures for resource-based areas. The interdependence and the linkages between all the players was emphasized. Policies must be contextual in nature so that they meet the real needs of communities; while government bodies can provide supportive and facilitative roles.

Silver Jubilee Countdown



Preparations for the 25th Anniversary Year are taking shape and the countdown to the Silver Jubilee has begun.

Our Silver Jubilee will be launched with a special ceremony on Convocation Day, May 29, 1989. Activities and celebrations will culminate with the Alumni Reunion July 1-2, 1990. One highlight of the Jubilee will be a special section in the April/May edition of Thunder Bay Magazine featuring Lakehead University and a calendar of Silver Jubilee events.

Watch this column for details about special events such as the distinguished public lecture series in the Fall and Winter terms and an open house as part of National Universities Week in October 1989. Details will also be made available about the sponsorship of a Thunder Bay Symphony Orchestra series and co-production with the Thunder Bay Community Auditorium of a series of programs.

We need help to bring all our plans to fruition. Call George Merrill, John Whitfield or Linda Phillips with department or school histories, photographs or ideas for activities. This is our Silver Anniversary -- please get involved.

Continuing Education: Growth in Numbers and Options

The personal touch is an important component in the successful operation of off-campus courses. Dan Pakulak provides information about courses to a group in Atikokan. All centres have off-campus representatives to maintain a vital link between students and the University.

Enrolment at Lakehead University is growing -- and not just in full-time day courses on Campus. Dan Pakulak, Director of Continuing Education, said there is "a record number of courses in continuing education."

Although final figures are not available, Pakulak said it looks as if enrolment will surpass last year's total of 602 students. At present there are about 226 enrolled in the Distance Education programs alone. This year Distance Education offers 12.5 credits, compared with seven credits available last year.

Pakulak said Continuing Education is operating off-campus in 21 centres in the fall/winter session. This means 56 full course equivalents are available in the region. The largest centre is Kenora, which has 11 off-campus courses. "There has been tremendous support from the community," he said.



Continuing Education operates from Sault Ste. Marie to the southeast, and as far as Kenora to the west. The courses are also available on such Northern reserves as Pikangikum, Weagamong, and Sandy Lake. A pilot project is underway in Sandy Lake with Introduction to Anthropology, taught by Dr. Paul Driben, as part of a BA general program. Atikokan has five courses ranging from Introduction to

Sociology to Fine Arts.

Thunder Bay also has off-campus courses. This year Lakehead University is offering Administrative Principles I and II, Gerontology and Acting I.

Last year there were 53.5 continuing education courses offered, but this year there are 61. "It's been an increase right across the board," Pakulak said.

NEW DIRECTOR & EQUIPMENT FOR SPORTS MEDICINE CLINIC

Lakehead University's Sports Medicine Clinic will be operating under the guidance of Dr. John Porter.

Porter, who signed a three-year agreement with the University, will be working to "elevate the awareness of sports medicine across the community and at the university."

Porter works out of the Intercity Orthopedic and Sports Medicine Clinic. The University's Clinic will not be a part of the Intercity Clinic, but the University will benefit from access to both equipment and personnel at Intercity.

Although Porter will be the chief physician, the day-to-day operations of the Clinic will be run by physiotherapist Markus Walser. The Clinic will operate on a walk-in basis for anyone with a sports related injury. A total of five physicians -- including three orthopedic surgeons -- will work in the Sports Medicine Clinic.



Student Mike Dolcetti is tested on new equipment in the Sports Medicine Clinic by kinesiologist Tarja Ala-Korpi as Dr. John Porter looks on.

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AUTOMATED CATALOGUE SYSTEM INCREASES LIBRARY'S CAPABILITY

The Chancellor Paterson Library has taken another step on the road to automation. A ribbon and cake cutting ceremony marked the official opening of the new on-line catalog system.

Fred McIntosh, Chief Librarian, is optimistic about the system and its acceptance on campus. "Once they've had it (the system) shown to them the response is quite good," he said. "On the whole, they're away to the races."

The new system means anyone looking for a particular item would use a computer

terminal rather than the old-fashioned card catalog. The system has the potential to do a lot more than it does now, he said. However, it will probably take up to two years before the system is operating at full capacity. For example, library users could check their circulation records and see what materials have been signed out without having to go through the circulation desk.

"The heart of the system is the data base," McIntosh said. "Circulation is in the same data base. Eventually people

(searching for a book) will be able to put a reserve on that book."

McIntosh said some people have questioned spending money on a new computer system for the library. He has heard comments that money would be better spent on obtaining more materials for the library.

"That's a false economy," he said. "Unless you can control and access what you've got, there's no point getting any additional material." Having an automated system "allows us to make better use of what we already have."

One other aspect of the new on-line system is that the data base can be divided into two parts. One section would list all the main library holdings, while the other section would list everything relating to Northern and Regional studies. This would increase the sharing of resources between the main campus and the programs offered in the region.

McIntosh said there are plans to expand the Northern and Regional Studies collection in the library. John Neilson, head of that collection, and new technician, Jane Reeves, will see increased promotion of the collection with the opening of the Centre for Northern Studies.



(Photo left) The new on-line catalogue system is up and running -- with a lot of help from our friends at the Computer Centre. Left to right, Paul Inkila, Phil Kempe and Geoff Hill, make sure everything is working properly.

Clinic

continued from page 5

The Clinic, which sees an average of 45 people per day, will be involved in such projects as muscle strengthening, rehabilitation of injured muscles and pre-season screening of athletes.

To help with both treatment and study, the Clinic has obtained the Genucom, a computerized machine for assessing the stability of knee ligaments and knee joints.

"Thunder Bay has facilities that are second to none," Porter said. "We are the second clinic in Canada to have this piece of equipment (the Genucom)."

Although research will be a large part of the Clinic's operations, the priority remains "giving care to musculoskeletal injuries sustained by athletes," he said.

The Sports Medicine Clinic is located in the basement of the C.J. Sanders Field-house and operates 12:30 to 8:30 p.m.

Co-author of "Frozen in Time" on campus

Owen Beatty, co-author of the amazing book that attempts to unravel the mysteries surrounding the Franklin Arctic Expedition will give a public lecture at Lakehead University on Thursday, November 10, at 8 pm in the Ryan Building. The book, *Frozen in Time*, and Beatty's talk, shed light on the mysterious fate of the expedition. In light of recent findings on bacteriology and immunology, this address, sponsored by the Anthropology Club, should be most interesting

United Way is an umbrella organization that provides funding for 14 Member agencies in the City of Thunder Bay. These agencies include Big Brothers/Big Sisters. The Red Cross Society and the Volunteer Action Centre, just to name a few. The agencies cover a wide variety of organizations. In fact the Member agencies are so diverse that one in three individuals in Thunder Bay use their services.

In today's society, it is difficult to decide what organization needs your money the most. The greatest thing about the United Way, is that you do not have to decide on one because you are not just giving once, but rather fourteen times. Remember, United Way is the way to help the most.

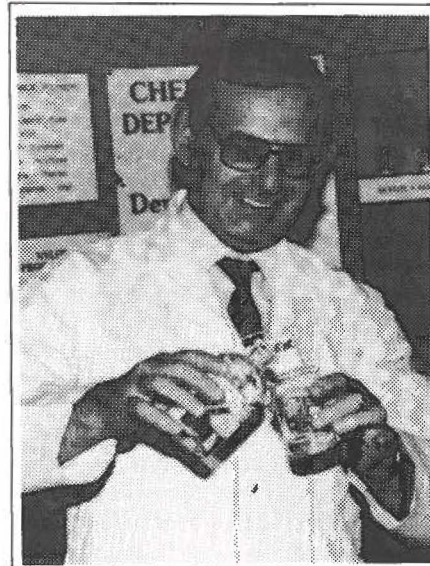
This year's goal is \$700,000, and with your help, we can do it.

Ask Dr. Weir

Q The plastic webbing on my lawn chairs deteriorated during the summer. What happened?

A The "plastic" material is made principally from polypropylene fibres. Polypropylene, as produced in the plant, is not in the form of fibres, and it must therefore be melted and then extracted through small holes (spinnettes) to produce the fibres. This process has to take place at about 150 degrees celcius, and since oxygen is inevitably present, a small amount of oxidation occurs; i.e. polypropylene, which is really a hydrocarbon, reacts with oxygen at the relatively high temperature, producing eventually, a hydroperoxide.

The extent of oxidation is very small and barely detectable. If we represent the polymer as a string of beads, we would find a hydroperoxide joined to one bead in about one thousand. The hydroperoxide is harmless until the fiber is exposed to sunlight. Absorption of the small ultra-violet component (which, incidentally causes sun-tanning) of sunlight causes decomposition of the hydroperoxide and this rapidly leads to a breaking of the chain; i.e. the long string of beads is broken at random into smaller pieces. Since the strength of a fiber is strongly dependent on this length of the chain, the light induced chain break-



ing leads to a naked absence in strength, the effect being out of all proportion to the concentration of hydroperoxide. Thus when a stress is subsequently applied (e.g. one sitting on the chair) the polypropylene disintegrates, the small strings of beads separating from each other.

The deterioration rate is not greatly reduced in winter in a place like Thunder Bay, where a high intensity of ultra-violet radiation is still present, even when the temperature is very low; so don't leave the lawn chairs out in the winter.

Update: Centre for Northern Studies

by Dr. Paul Watts

As an initial introduction to the academic activities on campus I have met with most of the department heads and directors of professional schools. These discussions have given me a basic understanding of Lakehead's scope of activity and it is now time to develop a directory of Northern efforts, ideas and researchers. Sara Burke is now in the Centre's office 9343-8379) and will be assisting me in this task.

Sara was hired to take over from our interim secretary, Marion Karam, who has gone back to school to train as a chef. Marion played a significant role in establishing the office and we wish her the best of luck in her new endeavour. We would also like to thank Mr. Dale Ashbee who was the interim Director, on secondment from the Ministry of Northern Development and Mines. Mr. Ashbee was to return to his full time work earlier in the year but agreed to continue as Acting Director during the startup phase. It is difficult to imagine where we would be without his efforts, and he continues to play a significant role through the Advisory Committee.

I am pleased to say that I have now been invited to several department and professional school faculty meetings to outline the developing role of the Centre. Our mandate is clearly across campus, within the region and throughout the North. It is an exciting time to be involved in the Centre. The input that we receive now will do much to determine both the activities of the Centre and Lakehead's future role in the North.



United Way
of Middletown and any County

AGORA

November 1988

Who? Last month's pair of mystery people were recognized immediately by Jolene Bohonis, secretary in the School of Forestry. We don't know how much money they offered, but according to Jolene, Professor Dick MacGillivray and Linda Phillips "haven't changed a bit". This month's pair were apparently not shipped off to the war together but they have both done "considerable time" at Lakehead University.

- a) Rita Hayworth and a jet pilot ready for his first mission
- b) Lana Turner and a drill sergeant waiting for his first recruit
- c) LU's 1965 wrestling champ with his first brush cut and Miss HMCS Griffin
- d) I have no idea who that beauty is but the guy's definitely *not* Bill Melnyk



Baby Faces

Bursting at the seams and loaded down with photos and smiles, pretty well describes how Mark Nisenholt feels about having a new son. Isaac Maguire Nisenholt bounced in at 6 pounds 10 ounces on October 3, 1988. Equally proud mom is Mariana.

Miriam Waddington thrilled a large audience at a poetry reading and then participated at the Friday evening and Saturday events. Reading her early works and new pieces she worked on this past summer in the Rockies, Waddington defined her poetry as "a way of life, or perhaps, my response to being alive".

Ms. Waddington has read her poetry in most universities across Canada and enjoys speaking with the students about her work and often their work. Ms. Waddington received an honorary degree from Lakehead University in 1975.

Professor Waddington recently retired from the English Department at York University. Her poetry has expressed itself in 11 volumes. Some of her scholarly and teaching activities have included editing, a critical study of A.M. Klein and performing the duties of writer-in-residence at city libraries and universities.

Co-ordinator Bill Heath, said the symposium is a gathering of English professors from the Laurentian system who are able to meet with their colleagues to share papers and ideas in a formal and informal setting. Three LU professors presented papers: J. M. Richardson, Joan Dolphin, and Frederick Holmes. "Discovery/The Discoverer In Literature" was the theme of papers presented by Laurence Steven, Shan-

non Hengen and Roger Nash, all of Laurentian. Joyce Forbes also prepared an exhibit in the library on the theme.

All reports indicate the Sixth Northern Literary Symposium was considered to be a success.



Visitors on campus

A "great lady" and well-respected poet was at Lakehead University in mid-October as the keynote speaker at the Sixth Northern Literary Symposium sponsored by the English Department.

Why?



What better way to celebrate National Students' Day than to stuff hamburgers and chocolate pudding down the hatch, break balloons with body hugs, dance the light fantastic up and down stairs, make tin can castles and dress up in garbage bags. To show their basically good nature, the team from administration did it all and smiled all the way to last place. Try to spot Rhonda Kelly, Ute Hickins or John Russell.

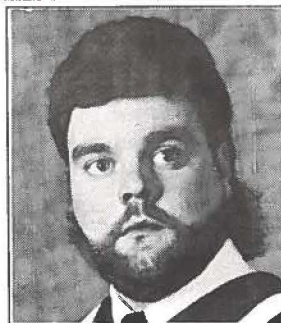
New Faces on Campus

BARBARA TOYE-WELSH

Barbara Toye-Welsh is the new Co-ordinator of Native Language Programs. She has come to LU from Nassau in the Bahamas -- and is re-adjusting to Canada quite well. Barbara is excited about her position at LU. "The challenge is to have as many teachers as possible taking a Native language," she said. Barbara understands Cree and is learning Ojibwe. She also speaks Norwegian, Chinese, French, German and Spanish. Barbara has a BA/B.Ed. from the University of Saskatchewan, a masters degree from Dalhousie University. Barbara has a Ph.D in progress at the University of Alberta. Her area of study has been curriculum development and multicultural education.



JEFF DOCKERAY



Jeff Dockeray, known as 'Doc', is the new Manager and Program Supervisor of the Study. His home town is Windsor, but LUSU drafted (pardon the pun) the energetic new manager from Brock University, where he was supervisor in liquor services. Dockeray has a background in recreational administration by virtue of his Bachelor of Recreation and Leisure Studies. Jeff says he likes the vibrant atmosphere at Lakehead. Many changes have already taken place in the Study with new furniture, a new sound system, paintjob and new dance floor. But this self-confessed armchair quarterback, camper, golfer and curler has a lot of ideas for the future. Drop in and say hi to the new Study Manager.

BRIAN O'CONNOR

Dr. Brian O'Connor is not only new to Lakehead University, he is new to Thunder Bay. O'Connor has been hired by the psychology department as an assistant professor. He comes to LU from the University of Quebec in Montreal where he was a Post Doctoral Fellow. O'Connor has a B.Sc. from St. Francis Xavier University and a M.Sc. and Ph.D. from the University of Victoria. His three main areas of scholastic interest are interpersonal communication, personality and social aspects of aging and he is pursuing research in all areas. O'Connor enjoys the outdoors and hopes to find some spare time to get out and enjoy Thunder Bay's wide open spaces.



LINDA SICZKAR



Linda Siczkar, the newest addition to the graphics department, is a busy person. Aside from putting in full days working with computers, typesetters and cameras, Linda is an avid dog-person. She is heavily involved in showing and training dogs -- she even has five of her own. One geriatric collie, three Pekinese and a rare Belgian Tervuren puppy grace her home. Contending with five 4-footed friends on a daily basis means she can cope with any situation and remain reasonably calm. Linda is also a traveller and has been as far away as Australia. "I like to travel," she said. "I hope to do more of that." In the meantime, Linda will travel the halls of Lakehead University in search of challenges.

LINDA MICKELSON

Linda Mickelson is the latest addition to the audio-visual department. She is the one who takes bookings for equipment and then provides friendly pick-up and delivery service. Linda is convinced that, since joining the A-V department, she has found every nook and cranny on campus. Linda is enjoying her work because it keeps her busy. "I like being busy," she said. Since the A-V department makes an average of 1,700 pickups and deliveries per month, Linda logs quite a few miles in the LU halls. By the way, Linda is a published writer. Her work can be seen in November's Reader's Digest in the Life's Like That section. To protect Linda's privacy, (Barbara Walters phoned four times), we have been cautioned by her lawyers not to publish her photograph. Anyone who recognizes her, should call out, "Are you Linda, the famous writer?"



RANDY HOLMER

Most days one can find Randy in the machine shop (CB1015) but when he's not there, you may find him running his own framing and art gallery business. A 1988 graduate of the engineering tech course, Randy plans to continue his education part-time heading toward a degree in mechanical engineering. Randy likes the variety in the lab and says he likes being busy. Originally from Cornwall, Both Randy and his wife came to Thunder Bay to go to Lakehead. The new business is a year old partnership and "so far, so good" according to Randy.

Papers/Publications & Special Projects



Dr. Ann Osborn-Seyffert presented papers concerning her computer-aided analysis of children's traditional songs at the Folklore Studies Association of Canada Conference at Windsor, May 29-30, 1988, and at the International Conference on Ballads and Folksongs of the SIEF (Societe internationale d'ethnologie et de folklore) at Laval University, August 15-20, 1988.

Dr. Birbal Singh, Associate Professor of Mechanical Engineering presented a paper titled "A Generalized Viscosity Correlation for Alberta Heavy Oil and Bitumens" at the UNITAR International Conference on Heavy Crudes and Tar Sands held in Edmonton, August 7-12, 1988. The paper was co-authored by Dr. V. R. Puttagunta, Professor of Chemical Engineering and Mrs. Elizabeth Cooper, Research Associate, Chemical Engineering Department.

Dr. Stephen A. Kissin, Department of Geology, presented a paper "Nickel-Cobalt-Native Silver (Five-Element) Veins: A Rift-Related Ore Type" at the North American Conference on Tectonic Control of Ore Deposits and the Vertical and Horizontal Extent of Ore Systems, at the University of Missouri - Rolla, October 6-8, 1987. The paper was published in full in the Proceedings Volume (Geza Kisilvarsanyi and Sheldon K. Grant, editors, University of Missouri - Rolla, 1988). A paper on a related topic "The Five-Element Suite: An Indicator of non-Magmatic Ore Types Related to Rifting and Basin Development" was presented at the V.M. Goldschmidt Conference, Baltimore, Maryland, May 11-13. The paper has been accepted for publication in *Explore*, a newsletter of the Association of Exploration Geochemists. These papers are the outgrowth of many years of research on silver deposits in the Thunder Bay area. Research has been funded by the Ontario Geological Research Fund (Ministry of Northern Development and Mines).

Dr. J. E. Molto, professor and Chairman of the Department of Anthropology, gave the keynote address to the 1st annual Spina Bifida Association of Canada Conference held in Edmonton Alberta, September 15-18. His address was titled, "The Natural History of Spina Bifida and Related Neural Tube Defects". On September 23 Dr. Molto gave an invitational lecture in the SSEA Public Lecture Series, Royal Ontario Museum, "Palaeoepidemiology of the Ancient Egyptians in the Dakhleh Oasis".

Professors Cynthia Loos, Nursing, and Alan Bowd, Education, had their paper "Nursing students' knowledge and opinions concerning AIDS" published in *Nursing Papers* 1987,

C.H. Nelson and D.H. McPherson presented a paper entitled "The Provision of Indian Child Welfare Services in the Province of Ontario: A Missed Opportunity for the Realization of Indian Self-Government" in Detroit on October 6-8 at the Midwest Association for Canadian Studies.

A year long study on issues related to being a single mom has now been released by Dr. C.H. Nelson and is available from the Lakehead Social Planning Council as a two part series. Part I is entitled *Single Mom Families: A Participant Observation Study* and Part II *Single Mom Families: A Survey of Moms and Human Service Programs*.

Dr. Said M. Easa, Professor, Department of Civil Engineering, presented the paper "Earthmoving Logistics With Linear Unit Costs" at the International Conference on Operational Research, Management Science and New Technologies, held in Paris, France, July 6-8, 1988. He also attended the Leadership Conference of the Urban Transportation Division (UTD) of the American Society of Civil Engineers, held in Toronto, August 1-2, 1988. The goals of the conference, which was attended by members of the division's committees, were to develop a better understanding of the UTD's mission and activities and to identify future issues of major concern. Recently, Dr. Easa was appointed a member of the executive committee of the Transportation Division of the Canadian Society for Civil Engineering and a Liaison Officer (for Egypt) of its International Affairs Committee.

Dr. K. D. Eigenbrod, Professor of Civil Engineering, attended the 3rd Canadian Symposium on geosynthetics associated with the 4th Canadian Geotechnical Conference that took place in Waterloo from 4 to 7 October of 1988. Dr. Eigenbrod was an active participant. He presented a paper entitled "Differential Shear Movements at Soil Geosynthetic Interfaces." The paper was co-authored with Mr. J. P. Burak and Dr. J. G. Locker.

Dr. Douglas Thom, Associate Professor, School of Education recently had his book (with Dr. Daniel Klassen) "Education and Its Management: Science, Arts, and Spirit" published by Ginn Press (Simon and Schuster Publishing), Needham Heights, Mass., 1988, 373 pages. The book is presently on sale in the Lakehead University Bookstore.

Dr. U. S. Panu, Associate Professor of Civil Engineering, attended the Canadian Hydrology Symposium held at Banff, Alberta, May 9 - May 11, 1988, and presented the following papers: "Waterford River Basin as an Urban Hydrology Research Basin", "Urbanization effects on Streamflow Characteristics in Waterford

River Basin", "Northeast Pond River IHD Bench Mark Research Basin".

From May 29 - June 3, 1988, Professor Panu attended the 6th World Congress on Water Resources held in Ottawa, Canada and presented the following paper: "Estimating Flood Flows at Ungauged sites in Newfoundland" and from June 6 - 10, 1988 he attended the International Symposium on the Hydrology of Wetlands in Temperate and Cold Regions, held at Joensuu, Finland and presented the following paper: "Environmental Assessment of Peatland Development Projects on Receiving Waters." Dr. Panu was an invited participant in the NATO Advanced Study Institute on Modeling of Hydrologic Systems, held at Sintra, Portugal from July 10 - July 24, 1988. His paper was entitled, "Storm Runoff Investigations Related to Effects in Urban Watersheds".

Susan Cole, Co-ordinator of Distance Education, recently represented Lakehead university and the provincial Contact North project at the First International Forum on Computer Mediated Communications. Universities in Denmark, Norway, France, Australia, United States and Canada have been involved in testing conferencing systems for the delivery of distance education courses. The CoSy conferencing system, developed by the University of Guelph is currently in use at Lakehead in the administration of the Signal North program. Applications in course delivery are proposed for the coming academic year.

Appointments

Dr. J. G. Locker was made a Fellow of the Engineering Institute of Canada (FEIC) at a Canadian Society for Geotechnical Engineering Meeting Banquet on Wednesday, October 5, 1988. The award follows 30 years of EIC activity and contributions to Engineering Education. Dr. Locker was recently appointed a member of a Council of Ontario Universities Committee on the Relationships Between Universities and Community Colleges and a member of the Advisory Board for the Marine Institute in St. John's, Newfoundland. He is also serving as Secretary and Vice-Chairman to the National Committee of Deans of Engineering and Applied Science for 1988/89. At the local level he is Chairman of the Lakehead Chapter of the Association of Professional Engineers and the Engineering Institute of Canada.

Pentti Paularinne has been appointed to the Ontario Universities' Application Centre Board of Management for a further one-year term.

Research News

FROM THE
OFFICE OF
GRADUATE
STUDIES AND
RESEARCH

Research Officer:



Trish
McGowan

Introduction by Dr. Murray Lankester

In the areas of research and graduate studies, do you know who represents your interests outside the University? Do you regularly express to them your views on issues? Do you make an effort to find out what information and experiences they bring back from their meetings? Do you think on occasion to thank them for the many hours of work and travelling time they volunteer on our behalf? I'd like to remind you who some of these individuals are.

Dr. John Jamieson, Psychology, has begun a 3-year term as a member of the Appraisals Committee of the Ontario Council of Graduate Studies. The Committee is comprised of 3 groups or panels which are randomly assigned graduate disciplines up for review on a 7-year cycle. Dr. Bill Melnyk and Prof. Norman Bonsor have served previously on the Appraisals Committee and know very well the mounds of reports that have to be read by John before carting them off to Toronto for monthly meetings.

Dr. Alan Day, Mathematics, is in the 2nd of a 3-year term serving on NSERC's Grant Selection Committee for the Mathematical Sciences. The Committee will soon be conducting site visits at selected universities across the country, and in February will adjudicate research operating grant and equipment grant applications in the field.

Dr. Connie Nelson, Social Work, continues for the 3rd year on the Board of the University Research Incentive Fund. Appointed for a 3-year term by the Premier's Council, Connie reviews applications submitted in 3 competitions per year and awards up to 25 million dollars over the three year period. Two Lakehead faculty have received awards totalling about \$20,000 since the inception of the URIF program.

Dr. Jane Crossman was appointed last year by the Minister of Colleges and Universities to the Board of the Ontario Graduate Scholarship program. The Board sets policy governing award criteria and allocation mechanisms for the 1200 OGS awards given annually across the

Province. Students considering graduate studies at Lakehead compete successfully in the "open" competition for OGSs. But those who may narrowly miss getting a scholarship valued at about \$10,000 are later considered for one of 10 "Institutional" OGSs of the same value available only to students registered at LU. Dr. Crossman is in a position to remind the Board, when necessary, of the importance of the Institutional awards to the five smaller Universities in the Ontario system.

Several Lakehead faculty volunteer each year to adjudicate the several thousand OGS applications submitted. The difficult task of each panelist in judging over 100 applications is usually done over the "Christmas break". There are few perks with this job and we shouldn't forget to extend our thanks regularly. I can publicize the names of those serving for 1988-89 after the competition is concluded and the winners are announced in March.

Professor Rick Anderson, Economics, has served for the past two years on the blue ribbon Polanyi Prize Committee. The Committee selects up to 6 winners of \$15,000 prizes given to recent Ph.D.s who have distinguished themselves in any of the traditional Nobel Prize disciplines.

Ms. Julia Walsh, President of the Lakehead University Graduate Student Association, will accompany me to Ottawa in early November where she will represent the concerns of members at the Annual Meeting of the Canadian Association of Graduate Schools.

To all of these individuals I extend personal thanks. I'm sure the rest of the University community joins me and will take the opportunity to discuss issues with them so they may more accurately and completely represent us on these very important Provincial and National bodies.

GRANTS AND CONTRACTS AWARDED

Dr. Inderjit Nirdosh (Chemical Engineering) has been awarded a second consecutive NSERC Strategic Grant. This grant, valued at \$38,600 for each of two years, is a prestigious one and recognizes Dr. Nirdosh's considerable contribution to his field. NSERC's Strategic Grants Program is highly competitive; this year, only 26.4%



of applications were successful. His research will centre on reducing the radioactive species present in the mill tailings from processing Saskatchewan uranium ores. The research proposal is aimed at optimizing the leaching conditions for the Saskatchewan uranium ores, thus minimizing the presence of radioactive by-products through leaching while maintaining high uranium recovery.

Dr. Jeremy Rayner (Political Studies) was awarded a SSHRC Strategic Theme grant for a two-year research project entitled "Power, Knowledge and Communication: Environmental Constraints on Public Involvement in Canadian Forest Management." The research will seek to test the hypothesis that, the greater the scientific and technical complexity of a planning decision in resource management, the less opportunity is available for public involvement.

Dr. Robert Sweet (Education) was awarded a SSHRC Strategic Theme Seed Grant for a project entitled "Canadian Private Sector Distance Education: An Analysis of Trends". SSHRC's Strategic Seed grants allow researchers to test the feasibility of their hypotheses, for such research usually occurs in new fields of research endeavour.

Professor Richard Clarke (Forestry) has been awarded a University Research Incentive Fund (URIF) grant for a research project that he will be undertaking with KBM Forestry Consultants and the Forest Engineering Research Institute of Canada. The URIF grant matches dollar-for-dollar the contribution to the research made by the private sector collaborators. Professor Clarke and his graduate research assistant, **John McNutt**, will be studying the influence of ground speed on direct seeding with the Bracke Scarifier, in order to determine the relationship of site difficulty and ground speed to the successful deposit of seeds on the prepared microsite. The research project will make a major contribution in the area of regeneration by enabling industry to improve their success rates.

NEWS ABOUT SSHRC

I am pleased to announce that there was a marked increase in the number of applications submitted to SSHRC's Research Grants Program. Nine applications were submitted (this represents an 80% increase over previous years), requesting a total of \$182,300 over 3 years. While this increase is encouraging, it nevertheless represents a participation rate of only 6% of SSHRC - eligible faculty. We are very

concerned about increasing our participation and success rates in SSHRC's research programs for, as you know, our General Research Grant is calculated on the basis of our success over the preceding three years. The next SSHRC competition is the Strategic Themes Research Grants Program, held in the Spring.

FUNDING OPPORTUNITIES

LITHOPROBE: Phase 2

The administrators of LITHOPROBE, Canada's National Geoscience Project, have issued a call for applications for 1989/90 Geoscience Studies. Approximately \$650,000 will be available this year for geoscientific investigations that will complement the Project's seismic programs and contribute in a significant way to the scientific objectives of the following transect corridors: Kapuskasing, Lithoprobe East, Southern Cordillera and Abitibi - Grenville.

The deadline for applications:
December 16, 1988.

The Ontario Mental Health Foundation - Fellowships Program

The Foundation offers a number of fellowships to enable health care practitioners and researchers to dedicate more time to original research. The Senior Research Fellowship and the New Faculty Research Fellowship provide release time for research. The Travelling Fellowships assist researchers to acquire new skills and learn techniques which are not available in Ontario. At our suggestion, the Travelling Fellowship has recently been modified to allow people from Northern Ontario to take certain types of training in other parts of Ontario, if such training is not available locally.

The deadline for all Fellowship applications is **November 30, 1988.**

Canadian Fitness and Lifestyle Research Institute - Research Contributions Program 1989/90

The Institute supports basic and applied research which furthers the understanding of the inter-relationships between physical activity, fitness, lifestyle and health in order to enhance the well-being of Canadians.

The deadline for submissions:
December 31, 1988.

Ontario Geological Survey - Ontario Geoscience Research Grant Program

The Geoscience Research Grant Program helps to finance research that will improve and stimulate mineral exploration

in Ontario. Such research complements the activities of the Ontario Geological Survey by such means as: defining the characteristics of potentially significant geological environments and devising ways to predict areas of valuable mineral resources; and providing geological information to assist the Ministry's earth resources initiatives. deadline:

November 15, 1988.

Department of Fisheries and Oceans - Science Subvention Program

The Science Subvention Program supports research and graduate studies in fisheries, marine and aquatic research. Priority will be given to research in these areas: the husbandry and development of fisheries resources in the preservation and improvement of fish habitats; the understanding of the ocean environment and all aquatic eco-systems; the social and economic conditions and prospects of those people and communities dependent on the fishing resources.

Deadline for applications:
December 31, 1988.

Squibb Canada - Biomedical Research Program

Squibb has announced a new program to support biomedical research at Canadian universities. Research priorities include the fields of molecular genetics, developmental biology or immunology.

Proposals are due:
December 31, 1988.

Ontario Ministry of Health: Health System - Linked Research Units Program

The Ontario Ministry of Health recently announced a new grants program to support health services research in Ontario. The program will facilitate research leading to changes in the provision of health care services, particularly those aimed at improving the health status of target populations. Grants will be provided to multidisciplinary teams of investigators engaged in a focused research program, studying aspects of the organization and performance of the health care system, in cooperation with a partner agency that is active in the delivery of health services.

The first competition deadline:
December 1, 1988.

Health and Welfare Canada - National Health Research and Development Program

This program provides support for health service research, public health research and health care delivery research. Current priorities are: organization and delivery

of health care, risk assessment, health promotion, habilitation and rehabilitation, population immune status and communicable disease control, and native health. The deadline for submissions is

December 1, 1988.

The National Research Council: Canada/France Science and Technology Cooperation Program

The objective of this program is to promote, through collaborative projects or exploratory missions, activities intended to result in scientific and technological advances of potential industrial or economic benefit to Canada. Priority sectors include marine sciences, biotechnology, new materials, information technologies, environment, transportation, and research related to problems of cold regions. The grant provides travel and subsistence costs. The application deadline is **November 30, 1988.**

Canadian Northern Studies Trust Awards

The Association of Canadian Universities for Northern Studies (ACUNS) offers a number of special awards for Northern Studies. The **Special Awards for Northern Residents** enables individuals from the Canadian North who have broad northern experience to devote a period of study in academic fields relevant to their concerns.

The **Studentships in Northern Studies**, valued at \$10,000 each, are designed to support students enrolled in educational programs having special relevance to Canada's northern territories and adjacent regions. All subject areas will be considered, providing that the proposed inquiry is applicable to northern themes, problems or issues.

The **Research Support Opportunity in Arctic Environmental Studies Program** offers high arctic accommodation, facilities and services to support graduate students who are undertaking environmental research in the physical and/or biological sciences for which location at the High Arctic Weather Stations (Eureka/Mould Bay) would be advantageous. Applications for all these Awards are due **January 15, 1989.**

In the 1988/89 Research Grants competition, the 14 disciplinary committees considered 1,455 projects with a total dollar demand of \$42.6 million. Of these applications 726 were funded, for an overall success rate of almost 50% for projects and 37% for funds. As a result of the visit of Louise McDonald, Research Grants Officer, a brief guideline for preparing successful research applications will be sent to each department.

CAMPUS CALENDAR

To include your Department's event or activity in the Campus Calendar, please call Flo Sherren at 8300 or mail your information to SN1002

NOVEMBER

MONDAY, 7

ALUMNI BOARD MEETING

7:30 pm Little Dining Room

FREE PUBLIC LECTURE

Speaker: Mr. Francois Bregba

Topic: The Canadian Arctic: On the Threshold of the 21st Century
8:00 pm RB 2024

Co-sponsored by Canadian Institute of International Affairs, Thunder Bay Branch

TUESDAY, 8

FREE PUBLIC LECTURE

Speaker: Kevin McNamee

Conservation Director of Canadian Parks and Wilderness Society
Slide presentation - question period
8 pm RB 2047

WEDNESDAY, 9

FREE PUBLIC LECTURE

Speaker: Dr. John Jamieson

Topic: "The Law of Initial Values"
2:30 pm Room SN 1015

FRIDAY, 11

REMEMBRANCE DAY

Service in the Agora 10:45 am

MICROMEDIA SESSION

12:00 - 2:30 Careers in information
2:30 - 3:30 Tips & tricks "training" session
3:30 - 5:00 Micromedia products & services, interested people may attend
Library 5022

TELEVISION NEWS LIVE FROM JAPAN & CHINA

In Japanese & Mandarin Chinese
12:30 pm Japanese News
1:00 pm Chinese News
BB 2007 To be aired every Friday

SATURDAY, 12 & SUNDAY, 13 LUSU FILM NIGHT

Big
Cast: Tom Hanks, Elizabeth Perkins
8:00 pm RB 1042
\$1.50 Students, \$2.00 Others

MONDAY, 14

MUNICIPAL ELECTION

Senate Chambers
8:30am - 10:30 pm

FREE PUBLIC LECTURE

Speaker: Mrs. Pat Barclay

Topic: "The Great Canadian Diary and How Charles Ritchie Wrote It"
7:30 pm RB 1021

WEDNESDAY, 16

FREE Public Lecture

Speaker: Prof. Ken Allan

Topic: TBA
2:30 pm Room SN 1015

THURSDAY, 17

BOARD OF GOVERNORS

4:00 pm

FRIDAY, 18

*** SPECIAL EVENT***

INAUGURAL PROFESSORIAL LECTURE SERIES

Presenter: Dr. David Nock

Professor of Sociology

Topic: E. F. Wilson of Algoma: A Victorian Missionary's look at Canadian Indian Policy
3 - 4 pm
RB 1044

Reception to follow in the Faculty Lounge
Dr. Nock's book on E.F. Wilson has recently been released and will be on display

SATURDAY, 19 & SUNDAY, 20

LUSU FILM NIGHT

Three Men & A Baby

Cast: Tom Selleck, Steve Guttenberg, Ted Danson
8:00 pm RB 1042
\$1.50 Students, \$2.00 Others

MONDAY, 21

FEDERAL ELECTION

Conference Room A/Conference Room B
Conference and Seminar Centre
Lakehead University

*** SPECIAL EVENT ***

THEATRE COMPANY

"The Working People's Picture Show"

7:30 pm Bora Laskin Theatre
\$8 adults, \$5 students/seniors

WEDNESDAY, 23

SENATE MEETING

2:30 pm
Senate Chambers

FRIDAY, 25

Final date for registration in Winter Term
Distance Education courses without late fee

SATURDAY, 26 & SUNDAY, 27

LUSU FILM NIGHT

The Graduate

Starring Dustin Hoffman
8:00 pm RB 1042

\$1.50 Students, \$2.00 Others

Agora

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