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Lakehead University

Agora

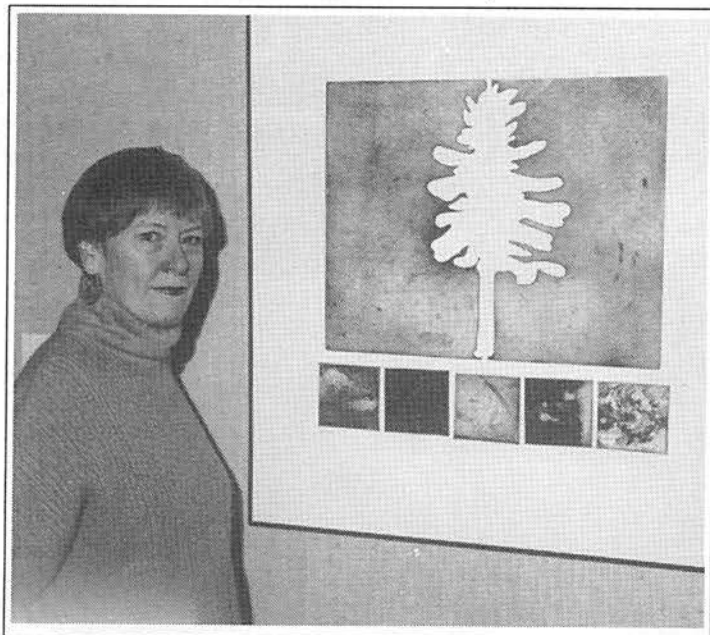
THUNDER BAY, ONTARIO VOL. 9. NO.2 FEBRUARY 1992



Oliver Tiura: "Susan and I", 1991



Mavourneen Trainor: "Great Expectations"



Anne Warren: "Equation"

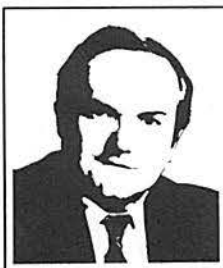


Michael Boss: "406 Douglas Street"

REGIONAL ARTISTS SERIES

Tiura, Trainor, Boss & Warren

Report From the President



Dr. Bob Rosehart

University Funding - Next Year and Beyond

For some time, the economic plight of the Province of Ontario has been hinted at but, on January 21, 1992, Premier Bob Rae, Treasurer F. Laughren, and our Minister of Colleges and Universities, Richard Allen, combined to announce very meagre grant increases for colleges and universities over the next three years (1% in 1992/93, 2% in 1993/94, and 2% in 1994/95). This was bad news but not totally unexpected. It was only a matter of time for the public sector to share the malaise that the private sector has been mired in for the past 18 months. The good news is that the recession seems finally to be ending from a North American perspective. The bad news is that Ontario's economy has been particularly hard done by, and Ontario will take some extended period of time to recover.

What will this mean for Lakehead University next year and beyond? It is too early to tell but, in recent special Senate, faculty/staff, L.U.F.A. Executive and Labour/Management Committee meetings, I have attempted to give all groups within Lakehead University a picture of our plight, the scope of our options, and provided all with an opportunity to make suggestions. As a result of these meetings, several creative suggestions (both large \$ and small \$) have come forward, and each and every one will be considered. If readers have additional input, please send

your ideas to my office and/or Mr. F. Poulter, the Chair of the Task Force on Funding. Over the next few weeks, the Task Force and the Senate Budget Committee will formulate approaches which will then be taken to the Labour/Management Committee and other groups for comments and suggestions. It is expected that a "slim" budget will be presented to the Board of Governors in late April, 1992.

On a positive note, the healthy enrolment increases that Lakehead University has experienced in recent years has helped limit the impact on our 1992/93 operating budget. In spite of this assistance, however, we still have a major challenge to address. M.C.U. Minister Richard Allen visited the L.U. campus on Wednesday, February 5, 1992 to help the various partners within the L.U. community work together to solve our collective problem. Premier Rae and the Minister both strongly believe that the strategies needed to live with the low grant levels will be found internally by all parties sharing both the responsibility and the pain.

In the short term, several new restrictions have been placed on the current year operating and travel budgets. With money to be so tight next year, it is important that we "conserve" now.

Residence Update (otherwise known as the "last" project)

For some time, we have been working on a new townhouse (with a few apartment units) project.

This project would be ideally suited to B.Ed. students and the various Health Sciences students. Unfortunately, the project has been in limbo for some weeks now, but the fog appears to be lifting and, in spite of the operating budget difficulties above, it seems as if we may be in a position to proceed with this project due to some special funding.

With the general financial outlook ahead somewhat uncertain, this will likely be the last major residence project in some years. The importance of residence spaces for out-of-town students cannot be underestimated. It is felt that this factor is one of the key decision-making parameters in selecting a university away from home. The project under consideration would be unique in that it would continue our traditional townhouse format with the addition of a limited number of 2-bedroom apartment units. Such units would be very flexible and would provide Lakehead University with our first housing suitable for married students.

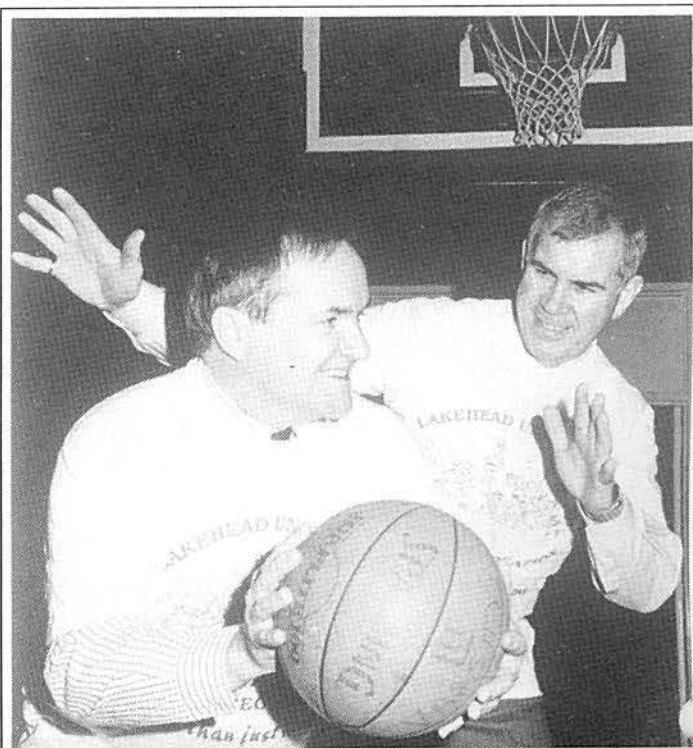
ECHO Environmental Awareness Week

Congratulations go out to ECHO for their very successful Environmental Awareness Week Program. The events held in the Agora were well attended and this group continues to raise environmental awareness on campus and promote, in a co-operative fashion, environmental initiatives with the University. Elijah Harper gave the keynote address on "Native Issues with Respect to the Environment".

Agora Use Policy

The University Space Committee has revised the use of the Agora space for selected events. The original "no events" approach has been changed to allow for a limited number of special events that could be accommodated without moving the furniture, without causing undue cleaning costs, or resulting in a noisy environment which would disrupt nearby classrooms. Since the change, two events have gone off well - the Native

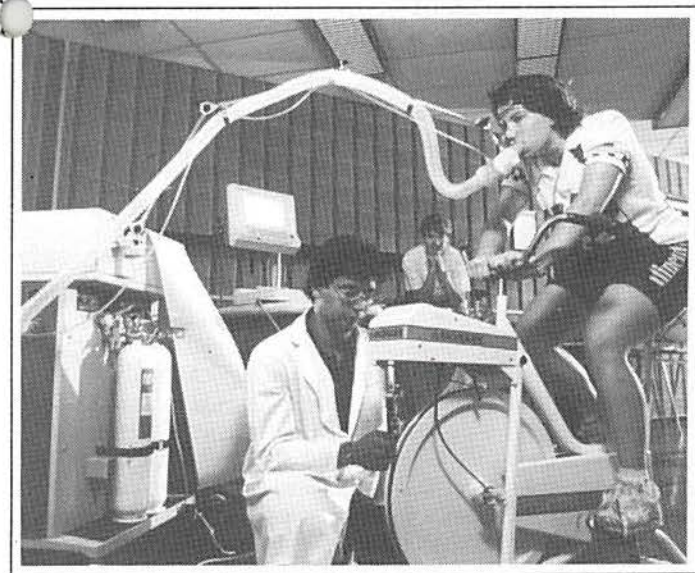
Continued page 9



Dr. "B" and "Kareem Abdul" Murray battled it out as part of the promotion of Campus Recreation's ongoing competition with Confederation College.

Around Campus

L.U. Human Performance Laboratory Reaccredited



The Lakehead University Human Performance Laboratory, the only one in Northwestern Ontario, has been reaccredited as one of the 25 Canadian Association of Sport Science High Performance Athlete Testing Laboratories. Dr. Thomas M.K. Song, Professor and Co-ordinator of the Human Performance Laboratory, says the purpose of the accreditation program is quality control and quality assurance in athlete testing, assessing elite athletes, and providing the most effective sport science consultation and counselling to coaches and athletes. Many elite athletes in various sports organizations have been tested and consulted at L.U. Human Performance Laboratory. The high performance athlete testing program has been well accepted by the national sports organization, coaches, and athletes.



Singapore Bev!

The tropics have not frizzed, fried or fattened Bev Stefureak who is shown above with her Taiwanese students. Bev's "travel" year with her husband Matt has been a long series of adventures including getting recruited to teach and being filmed as an "accidental" tourist for a television documentary. The family will leave Singapore this month and spend the next half year in Australia and Europe.

"Challenged" Youth on way to Guyana

Second year Outdoor Recreation, Parks and Tourism student, Sarah Wing, has been selected to participate in a three month project - Youth Challenge International - this summer. 80 Canadians will join forces with 40 international Challengers from Guyana, Costa Rica and Australia for Youth Challenge projects in Guyana and Costa Rica. Sarah leaves for Guyana in August. Youth Challenge is a non-profit organization co-sponsored by CIDA and the private sector. It works with scientific institutes, universities, government agencies and service groups focusing expertise upon a spectrum of recognized problems in developing regions.



West meets North meets South

The directors of three Centres for Aging and Health take time for a group photograph at the opening of the Northern Educational Centre for Aging and Health. Sandy MacPherson, Director of McMaster University's Centre and Neena Chappell, Director of the Centre on Aging at the University of Manitoba congratulate Mary Lou Kelley (centre) who will direct the northern centre. Chappell gave the inaugural public lecture and challenged the audience to think about formal and informal care for seniors and focus on social policy. The Northern Centre is funded and supported by McMaster University for two years. In his address Dr. MacPherson praised the team at Lakehead and said the "medical schools in southern Ontario could learn a lot from what you're doing here."

REMOTE ACCESS TO THE ONLINE CATALOGUE

Lakehead University Library's Online Catalogue provides up-to-date information on the holdings of The Chancellor Paterson Library and the Education Library. Books, government documents, atlases and reserve materials can be identified using the Online Catalogue.

The Online Catalogue can be searched from locations on campus as well as off campus with the appropriate communications software and a microcomputer with a modem. Access is available to Lakehead University students and faculty, other library and external users.

For more information about accessing and searching the Online Catalogue, pick up a brochure at the Information Desk on the Main Floor of the Chancellor Paterson Library.

LIBRARY TOURS AND INSTRUCTION SESSIONS

If you would like to know more about the library, its services, or how to use the Online Catalogue, why not come in to the library for a tour? A reference librarian will point out important sources and services, show you how to use the Online Catalogue and answer any questions that you may have about the library. contact the Information Desk of The Chancellor Paterson Library at 343-8302.

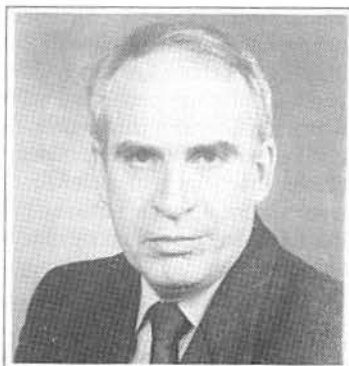
They did it!

In what can best be described as "an amazing feat" the Library staff completed a major phase in the development of the online catalogue on December 20, 1991. On that date the last monograph record from the old card catalogue was entered into the database.

The number of records in the database is now over 400,000! The project, begun in 1987, involved all staff in the Bibliographic Processing Department. It meant that as well as keeping up with the cataloguing of new acquisitions, time had to be found for reviewing and entering the records from all formerly purchased materials. Further work still remains to be done in cleaning up the database but the major work is now completed. Our users can now search the online catalogue confident that it represents a complete record of the Library monograph holdings.

Lynn Barber, Chief Cataloguer, admits it was "a wonderful feeling" to begin to see the last record but he was quick to praise and thank all the members of the Bibliographic Processing Department. "All were involved in one way or another and made important individual contributions." He sends special thanks to Lenore Randle and Ginnie Taylor (Reference and Information Services) for their searching prowess; Christel Klein and Ella Euremovich for their many hours of typing, editing and problem solving; Louise Reccia for keeping track of many thousands of electronic files without major loss and to members of other Departments who displayed much patience with attempts to explain peculiar barcode-less records in the online catalogue.

Congratulations on a job well done!



Continued from page 1

Visual Artists

From the Thunder Bay Art Gallery News Release

The Regional Artists Series was presented December 20 January 26 and exhibited the recent work of four local artists: Oliver Tiura, Mavourneen Trainor, Michael Boss and Anne Warren. All are members of the faculty of the Visual Arts Department at Lakehead University and all have exhibited their work previously at the Thunder Bay Art Gallery. Both their work and choice of media are diverse, the exhibition representing four highly individual statements and current explorations by these artists.

Oliver Tiura has exhibited his work in Europe, Mexico, the United States and Canada. Most recently, Tiura's bronze sculpture entitled *A New Beginning* was unveiled in the foyer of the Multicultural Centre in Thunder Bay. A graduate of the Ontario College of Art, he obtained his M.F.A. Degree from the State University of Guanajuato, Mexico. This exhibition features mainly Tiura's three-dimensional bronze sculptures, but also includes examples of his mixed-media constructions and acrylics on paper.

Anne Warren is a printmaker whose recent series of large prints, based on images and impressions of Stonehenge, forms a part of this exhibit. Her exclusively black-and-white intaglio prints investigate the processes of printmaking and also present commentary on a variety of other topics. A graduate of Lakehead University majoring in printmaking, Anne Warren has exhibited her work extensively, and in 1988 participated in a two-person exhibition at the Thunder Bay Art Gallery. Her prints are included in private collections in Canada, the United States and the United Kingdom.

Approximately 18 feet in length, Mavourneen Trainor's painting in this exhibition is composed of a sequence of five panels placed side by side and thematically linked. Entitled *Great Expectations*, the panels function as a storyboard which deals with women's issues. Comprised of large, very colourful and figurative acrylics on canvas, this new work represents a departure in both style and content for this artist. Born in Mexico City and educated in Lima, Peru, Mavourneen Trainor-Bruzzesse graduated with a Bachelor of Fine Arts Degree from Queen's University and brings to her painting a background in printmaking and photography. She has exhibited in Mexico, South America, Great Britain and Canada. Her paintings of puppet imagery are well known to art audiences in Thunder Bay.

Originally from Manitoba, Michael Boss holds a Masters of Fine Arts Degree from the University of Windsor. He has exhibited his paintings in galleries across Canada, from Manitoba to Prince Edward Island, in both group and one person exhibitions. His most recent, currently at the Kitchener-Waterloo Art Gallery is of a new installation work. In this Thunder Bay exhibition, Michael Boss exhibits acrylic on masonite paintings from his *Interiors* series.

BREAKING UP IS HARD ... BUT POSSIBLE

Personalized Approach to Quit Smoking
An Innovative Program now Available
Free of Charge

to all members of the University Community
(Faculty, Staff, Students & their Partners)
For Consultation and Appointment
CONTACT 346-QUIT (7848)

Generous Donation gives boost to new residence



Evelyn Halliday is a woman who thinks of others. When health problems restricted her world travels, the Thunder Bay resident decided that she would start a fund for a fully accessible international residence on campus. Her generous donation was announced at the Northern Vision Campaign Launch and according to John Russell who heads up the \$19.2 million dollar campaign, "it is selfless gifts like this that will leave a lasting legacy for the students of tomorrow." Miss Halliday proudly shows Dr. Rosehart the Halliday family coat of arms.



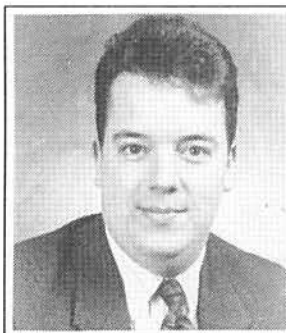
**IF YOU WANT HELP TO QUIT
CALL 346 - 7848**

Hope Fennell



Meet a new faculty member in the School of Education. This native of Saskatchewan is living, breathing proof that determination is an indigenous trait in prairie folk. Dr. Fennell has one of those convoluted career paths that began at the Regina General Hospital in nursing, took her back into arts and science, then teacher education, an early childhood specialty, then into teaching, raising a family, community service, special education, principal at a Hutterite community AND during all that she completed her masters in education curriculum and her doctorate in administration. Appointed Assistant professor in the fall, she is teaching undergraduate and graduate courses in education administration, supervisory relations and instructional development (which took her all the way to Red Lake). Well settled into Thunder Bay, which she calls "a very pleasant community" Professor Fennell has been able to pursue her musical interests which include piano, theatre and the Symphony chorus. Her recently retired husband and 16 year old son will be joining her in the near future.

New Manager of Alumni Services



Scott Fortnum has joined the team in the Department of External Relations as the Manager of Alumni Services. A graduate of Wilfred Laurier University, Scott's background in fundraising, marketing and community services will provide additional staff experience to increase the profile and strengthen the liaison between the 20,000 plus alumni and their campus. He

will head up special annual events such as homecoming and the Phonathon. An on-going goal with be to centralize an up-to-date information system to serve graduates. Scott believes that a person's alumni connection is important whether networking for career purposes, social contacts, governance of the university or supporting higher education. Scott recently worked on a project in St. John's, Newfoundland where he helped lay the groundwork for a \$4 million international campaign.

Arriving in the winter, he and his wife Sandra are getting a realistic immersion into life in northern Ontario. Admitting that he has occasionally put longjohns under his business suit, Scott feels ready to "be a northerner". He prefers smaller cities and thinks Thunder Bay is "beautiful and hospitable". In the summer he'll give camping and fishing a try but for now he's happy curling up with a good spy novel, teasing Bart, his cat with an attitude. and trying to find out where his furniture is.

THUNDER AT THE "THUNDERDOME"

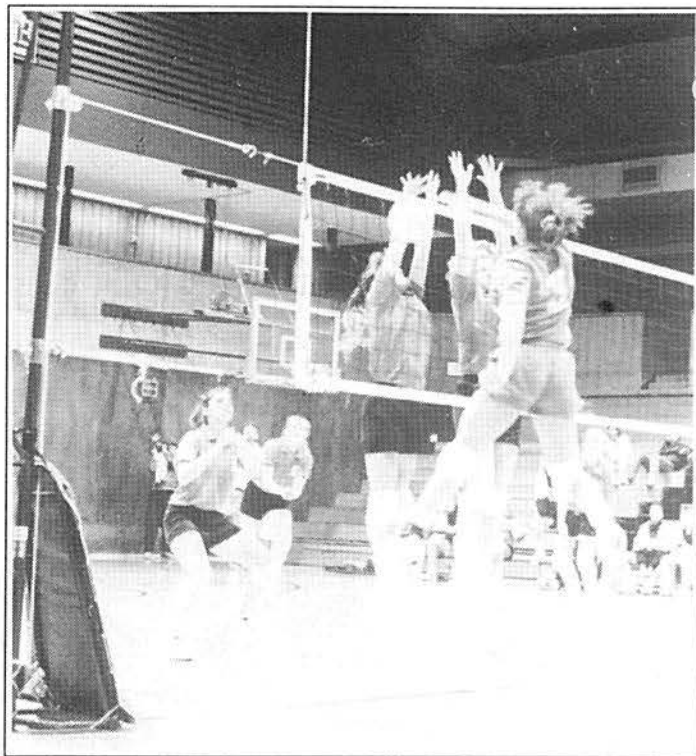
by Chris Williams

The fans at the Thunderdome this year have had their share to cheer about, but maybe it just hasn't been enough. CHCH TV in Hamilton rated Thunderdome fans second best in the conference behind the noisier supporters of teams hailing from the University of Guelph. Dick Beddoes would have had more sense.

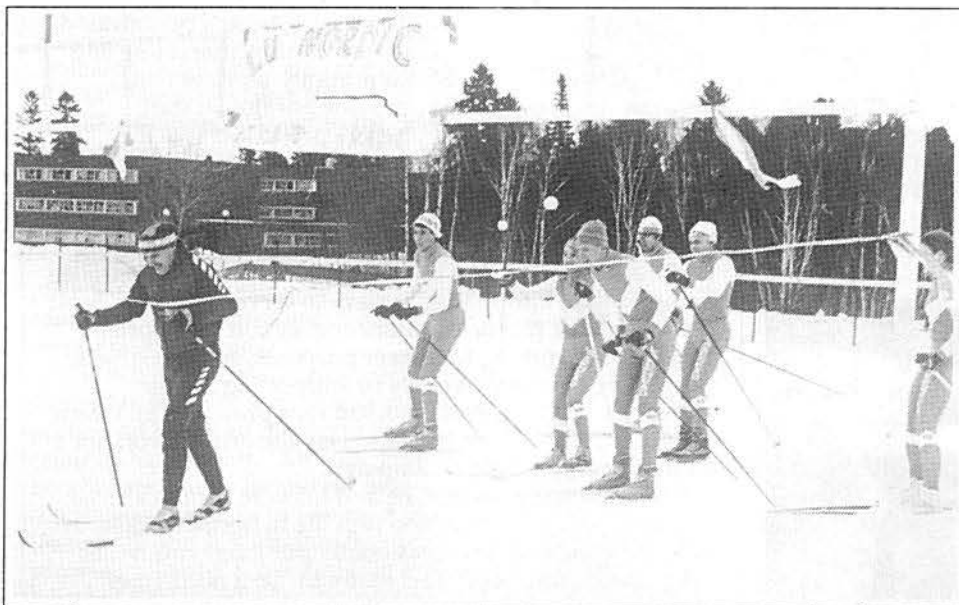
We cheered when the varsity wrestling team finally got revenge on the OUAA defending champion Western Mustangs in a dual meet just before Christmas. However, our perennial underdog/matmen could only manage a third place finish at their own Gord Garvie tournament. That, along with a season ending shoulder injury to Craig Hardy has slowed them down just a little.

Both men's and women's basketball teams have also given us cause to cheer. Up until McMaster marauded through town January 24th and 25th, things were looking pretty good. The men, bolstered by the outstanding play of Peter Brown and Anthony Randall, were sitting in a three way tie for first place in the OUAA west with Waterloo and Guelph. The women, buttressed by the strong return of Kelly Fitzgerald from her injuries, were sitting in second spot at 4-0, right behind Western at 5-0. McMaster swept the men and stole one from the women taking three out of four on the weekend. We cheered anyway.

The continued strong play from the Volleyball team has been a delightful surprise, and one of the biggest reasons for Thunderdomians to cheer. Despite the lack of depth evident after the departure of long time setter Kelly Williams, the team continues to hold onto second place in the OWIAA west just a few wins back of McMaster. With only four matches left in the regular season and the team playing as doggedly as ever, we may have cause to do a lot more cheering.



All in all, our varsity teams are doing quite well for the first half of the season. OK, our fans may not have been as vocal as usual, but it's colder up here than it is in Guelph and it takes us longer to thaw out the pipes. As for CHCH TV in Hamilton, well... don't go away, we'll be right back with the second half after these commercial messages.



Dr. John Whitfield, Vice-President (Academic) shows off his athletic abilities as he leads a group of racers through the ceremonial ribbon set up to mark the beginning of the new cross country ski trails at LU.

Cross Country Ski Trails Open at LU

On January 23 Lakehead University's Nordic Ski Club, assisted by the School of Physical Education & Athletics, opened the first-ever groomed ski trails on campus. The new 4.2 kilometre course is suitable for both skating and classic cross-country skiing. The trail begins in front of the C.J. Sanders Fieldhouse, continues through the campus and moves out through the Thunder Bay Country Club golf course.

Trail development was spearheaded by physical education professor Dr. Moira McPherson who was assisted by Big Thunder National Ski Training Centre and Lappe Nordic Ski Centre. The trail is open to the public and is maintained by LU students. A nominal season fee of \$15 for individuals and \$25 for families can be paid at the athletic office.

RESEARCH AND GRADUATE STUDIES CONTACT NUMBERS

Director: Dr. Connie Nelson _____ ext. 8793
Research Officer: Ms. Anne Fiorenza _____ ext. 8223
Special Projects Officer: Mrs. Kelly Morris _____ ext. 8939
Graduate Studies, Graduate Awards,
Animal Care: Mrs. Kris Delorey _____ ext. 8785
Research Secretary: Mrs. Lynn Gollat _____ ext. 8283

RESEARCH NEWS

FEBRUARY 1992

Canadian Foundation For Aids Research and Max Bell Foundation Support Vital AIDS Education Research on Campus

by JoAnne Silverman, Foundations Officer

Information deficiencies and misinformation about AIDS as well as obscure language could be some of the reasons that young adults face high risk with this deadly disease. Perhaps students do not see themselves as fitting the stereotype of a person who could get AIDS? These questions and others will be addressed and hopefully answered in some exciting new research conducted by investigators, Cynthia Loos, Associate Professor of Nursing and Dr. Alan Bowd, Professor of Education in cooperation with Jessie Sutherland, Nurse, Health Services and Joy Lawson, Director of Student Services. This three year longitudinal study is titled: **AIDS Education Programs: Are They Working?**

With generous support from the Canadian Foundation for Aids Research and the Max Bell Foundation, this \$2,000 project will evaluate an innovative AIDS education program for its long term effects on reducing risky sexual behaviour. The target group will be university students who apply to Lakehead University, prior to and following a program of AIDS education.

Professors Loos and Bowd are deeply committed to creating awareness about AIDS. An old adage comes to mind - an ounce of prevention is worth a pound of cure. But let's look at a few statistics. Dr. Alan King's "Canada Youth and AIDS Study" in 1988 revealed that existing AIDS education programs have limited effect on changing sexual behaviour. Studies continue to show that misinformation about AIDS and its consequences as well as risky sexual behaviour, exist among university students. Canadian 1991 statistics indicate that there were 934 cases of AIDS reported and 537 deaths in the 20-29 year age group. Given the lag time between infection with HIV and AIDS other data indicate that HIV is occurring in many young adults under the age of 25.

A student survey (January 1990) of four universities in Ontario, including Lakehead, revealed that 60% of respondents entering Lakehead University in the fall of 1989 agreed strongly or somewhat agreed that sex was "all right if people liked each other." Further research by Loos and Bowd in 1989 showed that more than 50% were sexually active and 29% of the subjects had two or more partners during the previous 12 months. In the Canada Youth and AIDS Study it was found that only 14% of college/university students who indicated that they 'often' had intercourse 'always' used condoms, but 22% of males and 28% of females who 'often' had sexual intercourse, never used condoms. Alcohol, loneliness and lack of social support have also been correlated with high risk sexual behaviour.

At present Lakehead University's Health Services area provides an informal program of AIDS education through pamphlets, video tapes, posters, seminars and one-to-one discussions to help students make decisions about sexual and social behaviour. No evaluation has been conducted as to the impact of this information. We need to know what is getting through and what isn't. Lakehead is not unlike most post-secondary institutions across the country. However this project will seek to develop a high quality professional education package (which incorporates motivational aspects and behaviour skills), will seek to increase knowledge concerning AIDS and its transmission, will seek to encourage increased discussion among sexual partners and peers concerning safer sex, and ultimately to promote the appropriate choice of sexual partners.

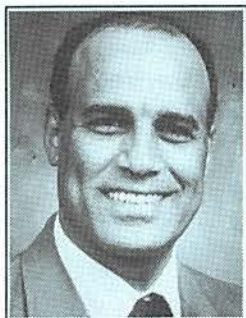
Based on feedback from national and international AIDS researchers, Loos and Bowd have fine-tuned their education plan. For example one of the more innovative strategies to be utilized as a major component of their educational package will be several performances of a live comedy presented in student-oriented environments.

Suffice to say with very little evaluative research going on regarding AIDS education programs at the university level, tertiary institutions across the country will want to glean the fruits of Professors Loos and Bowd's labour. Research on **AIDS Education Programs: Are They Working?** commences in June, 1992.



Researchers Alan Bowd and Cynthia Loos.

Research Profile: Dr. Said Easa, Department of Civil Engineering



Dr. Said Easa, Department of Civil Engineering, recently was recognized as Lakehead University's Distinguished Researcher for 1991-92 by Lakehead University upon the recommendation of the Senate Research Committee.

Dr. Easa's main research interest is transportation engineering. This area includes such systems as highways, ports, airports, railways, and pipelines. The majority of his research is related to the highway system which includes several components: traffic system management, geometric design, pavement design, construction, and surveying.

Traffic system management (TSM) is a concept that has evolved during the 1970's because of scarce financial resources. Its purpose is to improve traffic operation through inexpensive, short term improvements. Dr. Easa conducted TSM studies in San Jose, Palo Alto, Queen Elizabeth way near Toronto, and Thunder Bay. In particular, a study was done to coordinate traffic signals along Algoma Street in Thunder Bay. The study found that signal coordination could result in savings in fuel consumption and vehicle delay of about 20%. He also developed two computer models for traffic management in freeways, downtown and residential areas. Some related theoretical work has also been developed including a shortest-route algorithm that simplifies network coding and a reliability-based method for signal timings.

Research on geometric design addressed the characteristics of sight distance in highway alignment; a key safety element. Specifically, the design length requirements of unsymmetrical vertical curves and lateral clearance needs on the inside of horizontal curves were developed. The results of this research can be valuable in the operational and cost-effectiveness analysis of critical highway locations. Future research will be devoted to exploring a new vertical curve that is smoother and more comfortable to drivers and incorporating reliability analysis in geometric design. Other work in this area focused on sight-hidden dips on highways. The hidden-dip profile contributes to passing manoeuvre accidents because the passing driver is deceived by the view of the road beyond the dip free of opposing vehicles (Fig - 1). A methodology has been developed that avoids a hidden-



A sight-hidden dip on Highway 11-17 near Thunder Bay

dip in the new design and delineates its location on existing highways.

Dr. Easa's pavement research started in 1989. A method of overlay design that achieves consistent overlay thickness has been developed. The method is an extension of the procedure developed by the American Association of State Highway and Transportation officials. Further development of the method has just been completed. In the construction area, new methods of aggregate blending, trade-off analysis, establishing roadway grades, earthwork allocations, resource levelling, and earth volume computations have been developed. These methods incorporate such features as randomness of aggregate gradations, nonlinearity of the ground profile, and guaranteeing the best solution. Application of these methods is enhanced by the recent advances in computer technology and graphics capabilities.

Research on surveying developed mathematical tools and analysis methods that: 1) replace the time-consuming graphical methods, 2) achieve more computational efficiency, 3) relax some of the analysis assumptions, 4) achieve more accuracy, and 5) analyze new surveying problems. Surveying is a rapidly developing science in which the application of mathematics and computers will play a greater role than in the past.

Looking ahead, Dr. Easa hopes that this research effort will be complemented by such emerging technologies as expert systems and intelligent vehicle-highway systems (IVHS) which are gaining momentum in Canada and the United States. With the IVHS technology, many of our understandings about traffic operations and transportation planning may have to be revised.

GREENPLAN UPDATE

The Office of Research and Graduate Studies is continually receiving information on research funding opportunities under the Federal GREEN PLAN. The GREEN PLAN consists of many federal environmental programmes associated with different government agencies. To date, the Office of Research and Graduate Studies has informed you of the Eco-Research: Tri-Council Green Plan program. In addition to this, other opportunities exist through Environment Canada, Forestry Canada, etc. If you are a researcher in the social sciences and humanities or the natural sciences and engineering and are interested in pursuing environmentally related research activities under the above initiative, please contact Kelly Morris, Office of Research and Graduate Studies at ext. 8939.

HEALTH AND WELFARE/MRC

NHRDP - AIDS Research Program

As part of the federal government's commitment to fighting AIDS in Canada, the National Health Research and Development Program (NHRDP) continues to provide support for health sciences research related to HIV and AIDS. Activities eligible for support under the NHRDP's AIDS research program include: research projects, pilot and feasibility studies, formulation proposals and demonstration/evaluation projects; as well as personnel awards for the training of new researchers and for the support of career researchers working in the AIDS field; and research-oriented conferences, workshops and symposia. **Deadline: March 15 and September 15.**

Joint Fellowships for AIDS Research Training

NHRDP and MRC have just announced a new initiative in support of basic biomedical and clinical research training fellowships at the post-doctoral level. Additional information can be obtained from the Office of Research and Graduate Studies. **Deadline: April 1 and November 15.**

ONTARIO MINISTRY OF HEALTH

Health Care Systems Research Projects

Through the Health Care Systems Research Program, the Ministry supports studies which evaluate aspects of Ontario's health care system, with a view of improving its cost-effectiveness, accessibility, and acceptability to consumers.

The program is divided into six sub-programs:

- 1) Research Projects - **Deadline: May 1 and November 1**
- 2) Feasibility Studies - **Anytime**
- 3) Formulation Grants (supports the development of research proposals) - **Deadline: Anytime**
- 4) Information Studies - **May 1 and November 1**
- 5) Workshops and Conferences - **Anytime**

For program guidelines, please contact Anne Fiorenza, Research Officer at ext. 8223.

GRADUATE STUDIES NEWS

THESES TITLES FROM NOVEMBER 1991 CONVOCATION

FACULTY OF ARTS AND SCIENCE

Master of Arts

DUGBARTEY, Anthony (Psychology)

Supervisor: Dr. Marg Sellick

Thesis Title: Establishing Norms on the Auditory Comprehension Test Among a Sample of First Year University Students.

FLOOD, Karen Ruth (Psychology)

Supervisor: Dr. John Jamieson

Thesis Title: Physical Fitness, Health and Cardiovascular Recovery From Psychological and Physiological Stress in Women.

HARRIGAN, Thomas Roderick (Psychology)

Supervisor: Dr. Stephen Goldstein

Thesis Title: Social Facilitation of Extinction of Rats.

JACKSON, Sherry Ann (M.A. Psychology)

Supervisor: Dr. Marg Sellick

Thesis Title: The Effects of Gender Stereotypes and Adherence to Attitudes and Beliefs on Reaction to Wife Abuse.

JACKSON, Tena Marie (M.A. Psychology)

Supervisor: Dr. Scott Sellick

Thesis Title: Medication Compliance Among Breast Cancer Patients on Long-term Adjuvant Chemotherapy.

JEFFERY, Bonnie (Psychology)

Supervisor: Dr. John Jamieson

Thesis Title: Finger Temperature Recovery from Stress.

MCMURRAY, Kelly Marie (M.A. Psychology)

Supervisor: Dr. William Melnyk

Thesis Title: Dieting Practices, Influences, Beliefs and Self-Concept of Female High School Students.

WHIFFEN, Arlene Denise (Psychology)

Supervisor: Dr. Ed Bauman

Thesis Title: The Effects of Early Education on Later Social, Adaptive and Behavioral Functioning.

Master of Science

XU, Wei (Chemistry)

Supervisors: Dr. David Holah/Dr. Alan Hughes

Thesis Title: The Chemistry of Cobalt and nickel Complexes with Bis (Diphenylphosphino) methane and CO Ligands.

FACULTY OF PROFESSIONAL STUDIES

Master of Science (Forestry)

DESCHAMPS, Kerry Charles (M.Sc.F.)

Supervisor: Dr. Willard Carmean

Thesis Title: Height Growth and Site Index of Trembling Aspen in North Central Ontario.

IP, David (M.Sc.F.)

Supervisor: Dr. Ed Setliff

Thesis Title: Detection and Assessment of *Armillaria* in Young Conifer Plantations of Northwestern Ontario and Northeastern China.

LI, Yanjun (M.Sc.F.)

Supervisor: Dr. Willard Carmean

Thesis Title: Soil-site Relations for Trembling Aspen (*Populus tremuloides* Michx.) in Northwestern Ontario.

MATAKALA, Patrick (M.Sc.F.)

Supervisor: Dr. Peter Duinker

Thesis Title: Feasibility of Community Forestry in Northern Ontario: A Socio-Economic and Biophysical Evaluation Framework.

WEAVER, Kevin (M.Sc.F.)

Supervisor: Dr. Peggy Knowles

Thesis Title: Pollen pool heterogeneity in natural stands of upland and lowland black spruce (*Picea mariana* (Mill.) B.S.P.)

Master of Science (Applied Sport Science and Coaching)

BURKE, Jeff (M.Sc.)

Supervisor: Dr. Bob Thayer

Thesis Title: The Effect of Two Interval Training Programs on Lactate Threshold and Oxygen Kinetics at the Onset of Exercise in Females.

Master of Education

BRADY, Patrick H. (M.Ed.)

Supervisor: Dr. Jim Ryan

Thesis Title: An Analysis of Program Delivery Services in First Nations, in Federal and Provincial Schools in Northwestern Ontario.

THIRD ANNUAL GRADUATE STUDENT CONFERENCE

The Office of Research and Graduate Studies has announced a call for abstracts for presentation at the Third Annual Graduate Student Conference. All currently registered graduate students, full-time and part-time, are encouraged to share their research interests with the University community to be held on March 18, 1992. The First Annual Conference presented research topics on specific regional issues. The Second Annual Conference had an outstanding response, with a total of fourteen presenters and the Conference being held over two days.

The purpose of the Conference is to:

- 1) give graduate students a public forum for presenting their research activities
- 2) to enhance the awareness within the University community of the calibre and diversity of research being undertaken by graduate students.
- 3) to publicly acknowledge the efforts of faculty supervisors

As in previous years, we look forward to an excellent response. Enquiries about the upcoming Conference should be directed to Kris DeLorey, Graduate Studies (Ext. 8785).

1992-93 INTERNAL GRADUATE SCHOLARSHIPS

Applications are now available for the 1992-93 Internal Graduate Scholarship competition in the Office of Research and Graduate Studies.

The application and an official transcript must be received by March 30, 1992. The following scholarships will be awarded:

- Alumni Association Silver Jubilee Graduate Scholarship (Entering Students Only)
- Lakehead University Graduate Scholarship (Entering Students Only)
- Abitibi-Price Inc. Graduate Fellowship and the C.J. Saunders Graduate Scholarship (Entering Students Only)
- 1992-93 Ontario Graduate Scholarship "Institutional" Competition (Continuing and Entering)

For more information about these and other graduate scholarship opportunities, contact Kris DeLorey in the Office of Research and Graduate Studies.

UPCOMING DEADLINE DATES

NSERC Programs

Forestry Postdoctoral Assistantships - January 15, April 15, July 15, October 15
International Collaborative Research Grants - March 1, 1992
International Scientific Exchange Awards - March 1, 1992
Research Partnerships Program - Open
Scientific Publications - October 1 and April 15
Strategic Grants - May 1, 1992

SSHRC Programs

Aid to Occasional Scholarly Conferences in Canada - July 1, November 1, April 1
Strategic Partnership Development Grants - November 1, January 15, April 15
SSHRC/Department of Communications Joint Initiative; Research on Cultural Development in an Open Economy - February 7, 1992

SENATE RESEARCH COMMITTEE

NSERC Internal Research Grants

Conference Travel Program - January 15, 1992, May 15, 1992
Travel to do Research Program - January 15, 1992, May 15, 1992
Graduate Student Support Program - March 10, 1992
Research Projects Program - March 10, 1992
Visiting Scholar Program - March 10, 1992

SSHRC Internal Research Grants

Conference Travel Program - January 15, 1992 and May 15, 1992
Research Projects Program - March 10, 1992
Visiting Scholar Program - March 10, 1992

GREEN PLAN PROGRAMS

SSHRC/NSERC/MRC - Eco-Research: Tri-Council Green Plan Program - Research Grants (letter of intent) - February 29, 1992; University Research Chairs - May 15, 1992; Research Fellowships - June 15, 1992.

OTHER RESEARCH PROGRAMS

CIDA Professional Awards - January 15, 1992 and April 30, 1992
Educational Centre for Aging and Health; Fellowships/Bursaries - January 1, April 1, July 1, October 1.
Environmental Youth Corps - February 14, 1992.
European Community Visitors Program - March 1, 1992.
G. Allan Roeher Institute - Research Grants in Mental Handicap - April 30, 1992.
Health and Welfare Canada/MRC - AIDS Research Program - March 15 and September 15; Joint Fellowships for AIDS Research Training - April 1 and November 15.
Humanities Research Group, Visiting Humanities Fellowships - February 28, 1992.
LU-McMaster Link - Northern Ontario Health Research Grants - February 28, 1992.
National Research Council - Laboratories Research Associateships - Open
Ontario Ministry of Health - Nursing Innovation Fund - January 1, May 1, September 1
Ontario Ministry of Health - Health Care Systems Research Projects: Research Projects (May 1 and November 1), Feasibility Studies (Anytime), Formulation Grants (Anytime), Information Studies (May 1 and November 1), Workshops and Conferences (Anytime).
Ontario Ministry of Transportation, Ontario Joint Transportation Research Program and Consultant Assignments - February 14, 1992.

GRADUATE SCHOLARSHIP OPPORTUNITIES

Canada Memorial Foundation - February 29, 1992
CIDA Awards for Canadians - February 12, 1992
Government of Canada Awards - Deadlines vary by country
Young Researchers Award - Open
Internal Graduate Scholarships - March 30, 1992
Alumni Association Silver Jubilee Graduate Scholarship
Lakehead University Graduate Scholarship
Abitibi-Price Inc. Graduate Fellowship and the C.J. Saunders Graduate Scholarship

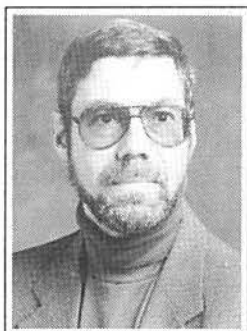
The Office of Research and Graduate Studies, in conjunction with the Office of Information Services, is asking all faculty to share with us interesting research stories to feature in the RESEARCH NEWS. We would like to hear from you if you are currently involved in innovative research, have attended an interesting conference, are collaborating with industry or the community or if you would just would like to profile your research expertise. RESEARCH NEWS enjoys an audience of approximately 2000 and can be a valuable vehicle for communicating your research endeavours to the community at large.

For further research information call Anne Fiorenza at ext. 8223 or drop by the Office of Research and Graduate Studies. For information about Foundations, call Jo-Anne Silverman, Foundations Officer at ext. 8910 or drop by the Alumni House.

People/Papers/Publications Special Projects/Awards

Professor Walter Crowe, School of Business Administration, recently presented two days of seminars to managers in Manitoba. Held in Winnipeg, the first day dealt with modern approaches to Materials Management, and in particular the use of statistical forecasting to improve the use of materials in manufacturing. The second day concentrated on Material Requirements Planning, and Manufacturing Resource Planning, as computer-based modern systems.

The 40 participants came from various locations in Manitoba plus two from Northwestern Ontario.



Dr. Colin Graham, Professor of Mathematics, presented "Extreme points in A(E)" in December at the University of Waterloo Pure Mathematics Department Colloquium and at the Canadian Mathematics Society Winter meeting in Victoria. His paper (joint with A. Lau and M. Leinert) "Continuity of Translation in the dual of $L^\infty(G)$ and related spaces" appeared in the December, 1991 issue of Transactions of the American Mathematical Society.

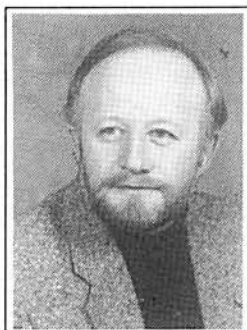
Mr. Michael Boss, Assistant Professor, Department of Visual Arts, presented a solo exhibition entitled "Into the world came a soul called Christine..." at the Kitchener/Waterloo Art Gallery from October 31, 1991 to January 4, 1992.

In September, 1991 he participated in a large group exhibition entitled "Synergos II" which opened in Winnipeg at Gallery 1C03 at the University of Winnipeg and is currently touring the province of Manitoba. From there it will tour throughout the Ukraine and to Canada Houses in Paris, France, London, England and Washington, D.C.

Currently, Professor Boss is participating in a four person exhibition at the Thunder Bay Art Gallery along with other Visual Arts faculty members; Oliver Tiura, Mavourneen Trainor and Anne Warren.

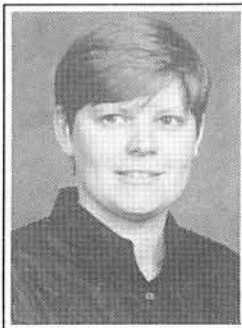
Mr. Alain Nabarra, Associate Professor, Department of Languages, presented a paper entitled "Come Robinson Crusoe sur son île ...: l'espace culturel colonial et le rôle de la presse au 18^e siècle", to the VIIIth International congress on the Enlightenment held at the University of Bristol, U.K.. The paper will be published in the Conference Proceedings. This Congress, organized by the International Society for Eighteenth Century Studies, is held every four years. The next one will be hosted by the University of Munster, Germany.

Prof. Nabarra is also a member of a research team working on the publication of a *Dictionnaire de la Presse de langue française. 1600 - 1789*. The first volume has just been published jointly by the Voltaire Foundation, Taylor Institute, Oxford, and Editions Universitas, Paris (557 p.). He is the author of 17 articles in the first volume. Volume 2 will be published at the end of 1992, volumes 3 and 4 in 1993 and 1994 respectively. The general editor is Jean Sgard, Professor at the University of Grenoble, France.



Research and travel for these projects were funded in part by grants from SSHRC through the Senate Research Committee.

Dr. Chris Jecchinis, Professor Emeritus of Economics, presented a paper entitled "The Problems and Prospects of Reforms in the Soviet Union: The Case of Joint Ventures" at the Hellenic Economic Association Fourth Annual Congress on East - West Economic Relations in the 90's. The congress took place at the Centre of International and European Economic Law in Theassaloniki, Greece from December 19 to 20, 1991.



Dr. Margaret Johnston, Department of Geography and Centre for Northern Studies has published a chapter entitled "Facing the challenges: adventure in the mountains of New Zealand" in Special Interest Tourism, edited by Betty Weiler and Michael Hall.

KUDOS!

Lakehead University professor from the School of Physical Education & Athletics, **Dr. Ian Newhouse**, set a new record in the 600 metre indoor dash record at the Pepsi-Cola University Northwest Open in Minnesota on January 18. Newhouse finished the race in 1:19:42 - beating the old record of 1:19:83 set in 1986.

DIKA HONOURED WITH PRESTIGIOUS AWARD

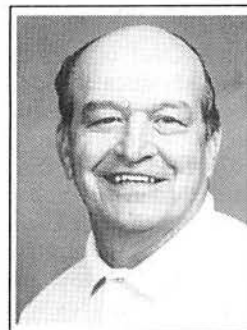
Peter Dika, Aquatics Facilities Manager, is this year's winner of the George Rowe Memorial Award. This very prestigious honour is presented annually at the Lakehead Sports Celebrity Dinner held in February. The award is emblematic of significant volunteer contributions made over many years to the youth of Thunder Bay.

Dika was an outstanding athlete in basketball, football, baseball, bowling, fastball and softball. He made his major contribution to youth sports in the area of coaching. He also refereed basketball and football at the high school, senior and university levels.

Dika is best known for his outstanding high school coaching at St. Pat's from 1952-56. He coached basketball, football and track and field. He led St. Pat's to its first junior basketball title in 1954 and did it again in 1956.

From 1970-73 he coached the Lakehead University's junior varsity basketball team which won the city title in 1971. In 1971-72 he served as assistant varsity coach.

The School of Physical Education & Athletics is very proud of Peter Dika and congratulates him on the receipt of the George Rowe Memorial Award.



HEALTH SCIENCES RESOURCE CENTRE

Improving the Prognosis for Northern Ontario Health Care

*Excerpts from an article by
Larry Sanders which will appear in
Thunder Bay Magazine*

For decades northerners have complained about insufficient health care services and a chronic scarcity of health care professionals, particularly in smaller communities. Simultaneously, northerners have imagined the creation of a medical school in northern Ontario as a possible cure for our health care woes.

The Health Sciences Resource Centre, set back in the trees at the corner of Balmoral and Beverly Streets on the campus, is *not* that medical school. But its official opening in September 1991 marked the onset of a renewed quest for fresh solutions to those old afflictions in northern health care.

Dr. Peter Neelands, a practising paediatrician in Thunder Bay, has been involved for years in continuing education programs for northern medical practitioners. He's now the Chairman of the Northwestern Ontario Medical Program (NOMP) at the Centre. NOMP was established in 1972 as a collaborative venture between the local and regional Medical Societies and the medical school at McMaster University in Hamilton, which was just opening in 1972.

Funded by the Ontario Ministry of Health, NOMP offered unique community-based educational experiences in northwestern Ontario for McMaster medical students, interns and residents. By 1976, the scope of the program had expanded to include participants from all five Ontario medical schools.

The McMaster educational philosophy is based on the use of preceptors—practising physicians who are teamed up, one-on-one with students which also provides them with an opportunity to observe first hand the lifestyle of professionals in remote communities. The physician preceptors who manage and participate in the program maintain active practices in the community and ensure that NOMP continues to offer a distinct northern perspective.

Neelands says the Centre "has different themes to different people. The (provincial) government sees it as their contribution through the Northern Ontario Heritage Fund of commitment towards increasing health sciences programs coming on board at LU and

probably becoming part of the university at some future time in a complete sense."

The Northwestern Ontario Family Medicine Residency Program (NOFMRP) is an offshoot of NOMP. It links with McMaster's Medical School to provide postgraduate residency training for medical school graduates seeking Certification in Family Medicine. Eventually, NOFMRP will have up to 36 full time students getting a unique northern-oriented understanding of the Family Medicine specialty.

The Northern Studies Stream is another collaboration between McMaster and Lakehead. Sixty occupational therapy and physiotherapy students are now receiving a portion of their training in northwestern Ontario. Students in each program complete an 8-week academic block and/or a 6-week clinical block during their 24 months of studies. As part of their professional studies, students explore northern health problems unique to this area. Integrating theory and practice, students follow the academic block with clinical placements in various northwestern Ontario communities.

The Northern Outreach Program is dedicated to the philosophy that the north not only has to recruit more health care professionals, but also make special efforts to provide continuing education to support and retain the ones already here. Linked with the University of Western Ontario, there are Outreach coordinators in communicative disorders and nursing. Sue Berry, the associate administrator of the Centre, says the coordinators "help to promote professional development for practising clinicians, through workshops and continuing education. Say there's a group of physiotherapists in Dryden that really want a workshop on some technique. They can call Northern

Outreach and get help developing a workshop. In addition to that, Northern Outreach helps facilitate student placements in the north."

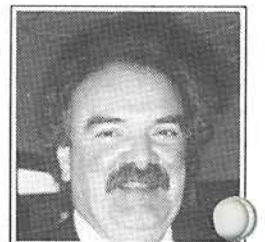
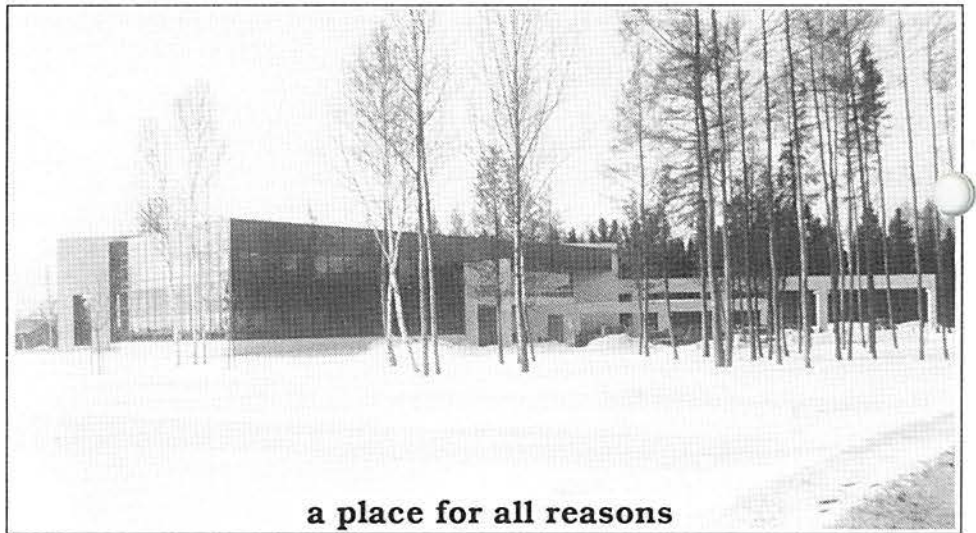
The Northern Educational Centre for Aging and Health (NECAH) is an off-shoot of a similar program at McMaster, NECAH plans to become an independent program by September 1993. Mary Lou Kelley, the Director of NECAH says, "with an aging population, the intent is to set up facilities, resources and programs that will educate health professionals about aging and health."

The Northern Health Human Resources Research Unit (NHHRRU) is a joint project with Laurentian University in Sudbury to study factors affecting the recruitment and retention of health professionals in the north. The research will be in partnership with District Health Councils, hospitals, and the Nishnawbe-Aski Nation, which represents 33 native communities in the far northern part of the province. Bruce Minore, Site Director, says "we need to find out the factors that affect students' choices to go into a health-related field, especially northern students." Lakehead and Laurentian are splitting a funding commitment from the Ontario Ministry of Health for NHHRRU of \$2 million dollars, spread over five years.

NEXT MONTH:

Jim Kraemer, the Chief Administrative Officer of the Health Sciences Resource Centre, took his appointment at the time of the opening last fall.

He brings a wealth of experience and we'll find out why he answered the "call of the North".



President's Report continued from page 2

Pow Wow and the ECHO Conference, and the compromise policy seems to be on a good start.

Condolences

Our condolences go out to the family of Stephen Johnson, a Lakehead University graduate who passed away in the recent snowmobile accident on Lake Superior.

Get Well

Ken Sundell was felled recently, but latest reports have him out of the hospital and on the way to recovery. Your friends and colleagues are looking forward to your return.

As well, we are all encouraged by reported sightings of Dr. John Jamieson in the S.N. Building. I understand that your students are looking forward to your return in due course.

Professors Disappointed With Funding, But Will Help With Reshaping

Ontario professors were disappointed with the amount of money offered to universities in the transfer payment announcement on January 21, 1992. However, the Ontario Confederation of University Faculty Association said they were pleased a consultation process was begun to manage the resulting restructuring.

OCUFA was responding to Ontario Treasurer Floyd Laughren's announcement of a 1% increase in university funds for the coming year, with 2% increases in each of the following two years. Minister of Colleges and Universities Richard Allen also announced that task forces involving administrators, faculty, staff and students would be asked to provide direction on reshaping post-secondary education to respond to restrained funding. Task force proposals could result in a possible 1% in additional funding.

"Three years of minimal funding increases will create serious damage to our universities, especially after the last 15 years of underfunding," said OCUFA President Bill Graham. "That's disastrous because post-secondary education is key to economic and social recovery for the province."

Graham said OCUFA recognizes the province's severe budget situation, but would continue to fight for tax reform and for restoration of federal government transfer payments for post secondary education, which were frozen

for five years beginning in 1990.

OCUFA welcomed the government's plan to involve faculty, students and staff in deciding how to reshape the system. Graham said that OCUFA would support greater co-operation between the college and university systems, greater university accountability and financial disclosures, and reform of university governance to become more diverse and representative.

OCUFA was worried the government's decision to increase student tuition by 7% would be a tough blow, especially to students and families fighting their way through this recession.

OCUFA represents some 12,000 professors and academic librarians at Ontario universities.

Lakehead University Association for Creative Theatre (LUACT)

The Lakehead University Association for Creative Theatre (LUACT) was formed as an official club in the Fall semester by faculty, staff and students who saw the need for a more formal association for the development of theatre and related activities on the Lakehead Campus.

The mandate of the association is to develop and present a wide variety of performance projects. Association members have expressed interest in writing, directing and performing in traditional theatrical productions, radio drama, performance art, popular theatre, script readings and workshops, cabaret and all aspects of Fringe theatre. Membership in the association is open to all Lakehead students, faculty and staff.

Currently, the association is working on a few very interesting projects. "Shakespeare in the Halls" was conceived by a group of Arts and Science students as an opportunity to "expose" the Lakehead community to classical theatre in an innovative style. The idea is to direct and perform excerpts of scenes from classical theatre in unlikely places around the Lakehead campus - literally "in the halls". Their first performance was a successful reading of a scene from "Cyrano de Bergerac" at the last "Poetry Improv".

The association has also secured the talents of Michael McLaughlin, outgoing Artistic director at Magnus Theatre, and local actress Heather Esdon, featured in "She Stoops to Conquer" earlier this season for Magnus, to participate in an Acting/Directing

Workshop that will take place in mid-March. They will bring their talents to Lakehead for a one-day seminar that will include advice and demonstration on acting, directing and auditioning.

LUACT is also proud to present the first annual "Lakehead University Cabaret O'Fromage" to be held on Wednesday, March 4 at The Outpost. For further information contact LUSU at 343-8259.

.....
The Lakehead University
Student Union Presents
THE HOLLY COLE TRIO
Canada's Up & Coming Jazz
Trio
March 22, 1992
The Outpost
Special Faculty, Staff, Student
Price \$10
Regular Price \$15
A dinner "extraordinaire"
will be
offered at additional cost
Tickets available at LUSU
.....

Counselling & Career Centre Seminars and Workshops - Winter 1992

To register contact the Counselling & Career Centre - UC 1002

STUDY SKILLS

Effective Reading

Monday, Feb. 10 at 1:30 - 3:30 pm
RB 2047

6:30 - 8:30 pm LI 5005

Note Taking

Thursday, Feb. 13 at 1:30 - 3:30 pm
LI 5005

6:30 - 8:30 pm LI 5005

Effective Study

Monday, Feb. 17 - 1:30 - 3:30 pm
RB 2047

6:30 - 8:30 pm - LI 5005

Exam Preparation

Thursday, Feb. 20 - 1:30 - 3:30 pm
LI 5005

6:30 - 8:30 pm - LI 5005

STRESS MANAGEMENT

6:30 - 8:30 pm

Part 1 - Monday, March 2 - LI 5005

Part 2 - Wednesday, March 4 - LI 5005



Mary Lou Kelley

Forum

Meet L.U.'s Gerontology "Think Tank"

"There is a great need for research in the area of nutrition and the elderly. Is there anyone who would be interested in doing some?" (Community dietician)

"The District Managers of my home support agency would like to discuss professional development opportunities for themselves and their staffs." (Program administrator)

"We are closing a Home for the Aged and would like to discharge residents who are interested and capable back to community living. Are there faculty members who would be interested in conducting research or providing consultation?" (Community agency Administrator)

Since establishing an office in September the Northern Educational Centre for Aging and Health (NECAH) has received calls such as these from the community on a weekly basis. Research and education in the field of gerontology is high on the priority list of many, including students who see increased job opportunities for those educated to work in a country where, by 2025, one in every five people will be over 65 years of age. I, and the rest of the post-war "baby boomers", will be part of that 20%. By the time my daughters are 65, seniors will likely make up one quarter of the Canadian population. Changing demographics are not just affecting

plinary strength and important regional role in gerontology during the Study Group's conference held last May. Lakehead faculty and students presented eleven (11) of the nineteen (19) papers and posters as well as participating in the panel discussion and a workshop. Proceedings for Gerontology Forum '91 are available in our bookstore.

With the establishment of the Northern Educational Centre for Aging and Health, the Study Group has an organizational base for its activity, and financial support to continue its work. Group members will also work closely with the Centre to fulfil its goals in

attitudes toward grandparents, ethnicity, and aging. She teaches undergraduate and graduate courses on the sociology of aging and social gerontology.

LEONA DICASMIRRO, B.Sc. P.T.
Manager, Physiotherapist
Hogarth-Westmount Hospital
ECAH Fellow 1989-1990

Leona teaches part-time at Confederation College, where she also works on curriculum development and coordinates physiotherapy student placements at Hogarth-Westmount.

MARY HEARD, M.S.W., C.S.W.
Social Work

Mary's involvements include membership in the Council on Positive Aging (COPA)'s Elderhostel Committee, palliative care, and the Parkinson's Support Group.

TERRY HILL, Ph.D., Sociology
Terry has a wide range of research interests including age roles and stigma, social change, professional ethics, aging and sexuality, naturism/nudism, the grieving process in men, and business entrepreneurship.

MARY LOU KELLEY, M.S.W.,
Social Work, Director, NECAH
Mary Lou is conducting research focusing on aging, family support, health, social service delivery and seniors independence.

TI KING, M.Sc.N., School of Nursing
Ti's areas of research include the experiences of mid-life daughters who are caring for their mothers, and the psychosocial experiences of women diagnosed with early-stage breast cancer.

LORNE McDOUGALL, M.N., Ed.D.
School of Nursing
Lorne's current research includes a project on the health experience of seniors living independently in the community, alternative home support services and life long learning and seniors.

DIANA PALLAN, M.N.
School of Nursing
Diana worked on a medical unit for many years, and is dedicated to "helping the elderly lead healthy lives to their fullest potential." Chronicity and the use of alternative treatment modalities to achieve health are areas of research interest.

JANICE PERKINS, M.Sc.
School of Occupational & Phys. Therapy
McMaster University
Janice is based at Lakehead University as a part of the Northern Studies Stream

continued on page 11

"Seniors are interested in more than death"

Jean Engholm

health and social services but are impacting on business and economics, education, recreation and leisure. As Jean Engholm so aptly put it recently in a letter to the editor of the Thunder Bay Post, "Seniors are interested in more than death and illness".

Lakehead University is meeting the challenge of an aging population, in part, through the work of an energetic and dedicated Gerontology Study Group with lots of expertise. The Gerontology Study Group was formed in October of 1991 and now has eighteen members representing eight disciplines. Terry Hill, the newly elected Chair, sees the Study Group as a "well-spring of ideas and information within the university and community, and a catalyst for furthering interest in gerontological research and education.

The Gerontology Study Group was instrumental in Lakehead University's success at gaining support for the Northern Educational Centre for Aging and Health. McMaster University, who has funded the Centre for its initial two years, recognized Lakehead's interdisci-

plinary strength and important regional role in gerontology during the Study Group's conference held last May. Lakehead faculty and students presented eleven (11) of the nineteen (19) papers and posters as well as participating in the panel discussion and a workshop. Proceedings for Gerontology Forum '91 are available in our bookstore.

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Gerontology Study Group Member Profiles

HANK AKERVALL, Ph.D.

Outdoor Recreation, Parks and Tourism
Hank adds 18 years experience teaching gerontology and geriatrics in his section in Therapeutic Recreation, Parks, and Tourism.

SUE BERRY, Diploma Physiotherapy
Coordinator of Northern Studies Stream (Occupational Therapy and Physiotherapy)

Sue's interest lies in promoting education in the Health Sciences and research for physiotherapists.

ANITA CHEN, Ph.D., Sociology

Anita's past and current research involves cross-cultural comparisons of

of the programme. Her area of interest in gerontology is computer use and the elderly.

PETER PROULX, B. COMM., M.H.A.
Exec. Director, Hogarth-Westmount
Peter supports the partnership between the academic research and service provider and his "community" perspective helps to identify the changing needs of the aging population.

JANE RAMSAY, M.S.W.
Evaluation and Research Consultant
Jane recently completed a study concerning the needs of caregivers and seniors with a disability. She has another research project underway entitled, "Factors Affecting Senior's Use of Support Services and the Impact of Help-seeking on their Level of Independence."

KEN ROTENBERG, Ph.D., Psychology
Ken is involved in research on the extent to which elderly individuals' interpersonal trust and loneliness affect their health and use of health professionals

DARLENE STEVEN, RN, MHSA, Ph.D
School of Nursing
Darlene is interested in a variety of research areas in gerontology focusing on health care delivery and nursing administration. She is currently investigating job satisfaction and stress of nurses and social workers in long-term care settings.

JANE TAYLOR, Ph.D.
School of Phys. Education & Athletics
Jane is currently working on a research project investigating the long term care needs of the frail elderly.

ARE YOU PREPARED?

The Thunder Bay Branch of The Canadian Red Cross Society will be holding an Emergency Services Seminar, Saturday, February 29 at the H.M.C.S. Griffon, 125 N. Algoma Street from 9:00 am to 5:00 pm. There is no cost for this seminar. Topics to be covered include individual preparedness and community response to an emergency. The day will end with a paper exercise. Lunch is provided. Registration is limited.

To register call 623-3073 before February 8, 1992 or drop in to the Red Cross at 112 S. Harold Street between 9:00 am and 4:45 pm. The Red Cross is ready to help in an emergency. Are you?

Last Writes

by Katherine Shedden

This past Christmas, my neighbours gave me a live tree. "It's a cull from our parent's 100 acre farm" they reassured me, so in went the little spruce for the festive season. Then, after Ukrainian Christmas out went the little spruce. But to where? It still stands foot first in a snow bank - no neighbourhood kids have taken it, as was the custom when I was a kid. We'd sneak around the neighbourhood and take every Christmas tree we could get our thieving little paws on. The real challenge however, was shaping them into elaborate backyard forts. Those forts were the bulk of our fun right up until the special truck came and we were forced to surrender the trees for the giant bonfire. That's right, when I was a kid on the bald prairie, the freshly cut trees were piled into a great mountain and set ablaze! In fact, the burning of the trees was the highlight of the winter carnival where 'buffalo' burgers were sold and eaten by the thousands, races were run and, as if in defiance to winter, we hearty souls gathered round the man-made pyre hooting and howling like coyotes. And never once did I think there was anything wrong with that ritual - until this January.

Now my vocabulary includes ozone, recycle, reuse and reduce. I stood and stared at my tree - wanted dead or alive - one spruce to go with my family tradition. I refused to put it out at the roadside for its funeral trip to the dump. I couldn't figure out whether it would be better to let it decompose with the non-decomposing plastic bags and landfill goodies or . . . or what? Surely, discarded whole Christmas trees will not help the forest floor (or city dump) for years and years. I heard this was the last year that the city would be transporting trees to the landfill site but they hadn't figured out a way to recycle them. I called "Mr. Agriculture Canada" at the Experimental Farm. To my question 'what can you do with Christmas trees?' John Wilson suggested a long and valuable list. **OPERATION TREE MULCH** had begun. First a few biology lessons; shredded evergreen trees make excellent mulch which by itself is suitable for crops such as raspberries, sweet corn, asparagus, blueberries, and of course, tree seedlings. Wilson cautioned that crops such as cucumbers and strawberries would not be suitable. As a soil or compost enhancer for the home gardener, the material would be valuable especially after decomposition (12 - 24 months

depending on how finely it was shredded) but again he cautioned about the possibility of spruce gum being exuded and flavouring root crops. He seemed uninterested in my idea about a federal government grant to test balsam flavoured turnips. I then learned that evergreen mulch does acidify the soil and may act as a natural herbicide. Just how complicated is this question?

Quick call to the biology lab to ask if the mulch would be any good for tree seedlings, or burn areas ready for reforestation. Perhaps, but what about transportation costs? Now the prairie spirit kicks into high gear and I start wondering *what if* The City of Thunder Bay picked up all the trees and dumped them at LU. And *what if*, as a goodwill gesture, one of the pulp companies 'loaned' us a chopper/shredder machine for one week. And *what if* The Small Business Consulting Program at LU conducted a feasibility study to determine if there could be a viable business. Lynn phones her dad to find out if it's true that Hillcrest High School heats with wood chips. Apparently not the whole school but they do burn wood chips and the entire system was designed at LU! Are we back to burning trees or is the heat captured and recirculated? Neil Weir could invent a safe plastic bag that would cause bagged chips to decompose faster. John Russell could raise a million dollars selling "Northern Vision Potpourris" to alumni living away from their beloved Boreal forest. Mike Turek could encourage all cleaning staff to sprinkle the stuff generously as a sweeping compound. Les Miller could investigate an equitable tuition fee program - cash, cheque, VISA or so many pounds of mulch. Yves Prevost could figure out a way to extract all the insects living in the trees and start a free lunch program. Jim Podd might look at having a mulch wall erected around the campus, a certain tourist attraction and possible deterrent to vandals. Denise and I start working on the news release headlines to fax across the nation: Lakehead named evergreen mulch capital of the World! 5,000 students hired to bag **EVERGREEN GOLD!** Japanese interested in Canada's newest export business! City cuts \$1 million from utility bill by burning LU mulch! University engineers design ski hill on campus - snow covered mulch!

And somebody wanted me to buy a fake tree. Pass the buffalo burgers.

Campus Calendar

To include your Department's event or activity in the Campus Calendar, please call the Information Office at 8300 or mail your information to SN1002. **Deadline for the March Agora is February 17, 1992.**

Thunder Bay Art Gallery

February 1 - March 15
GERALD McMASTER:
THE COWBOYS AND INDIANS
SHOW

Organized & circulated by the
McMicheal Canadian Collection

FOND DU LAC TREATY POR-
TRAITS: 1826
February 11 - March 15
Source: Collection of Richard and
Dorothy Nelson, Duluth, Minnesota

SASHA MCINNES - WEAVING
MATTERS, REGIONAL ARTISTS
SERIES
February 14 - March 22
Source: London Regional Art Gallery

CHOOSING CLAY
March 6 - April 5
Source: Canadian Craft Museum B

FEBRUARY

Wednesday, 11

FREE PUBLIC LECTURE
Speaker: Dr. Robert Page, Dean, Faculty
of Environmental Design,
University of Calgary
Topic: "Resource Development and
the Persistence of Arctic
Ecosystems"
Place: Regional Centre, Room 0005
12:30 pm

Thursday, 13

Board of Governors Meeting

Friday, 14

Department of Sociology
Brown-Bag Series
Speaker: T. Hill
Topic: "Workable Strategies for Chang
Agents in N.W. Ontario
Communities"
Place: RB 1045
1:00 - 2:30 pm.

February 17 - 21

Mid-Year Study Week

Tuesday, 25

Senate Meeting - Senate Chambers -
9:30 am.

Saturday, 29

Kalevala Seminar
Professor Borje Vahamaki, University
of Toronto
1:00 pm - 5:00 pm
Senate Chambers
Fee: \$30.00
Forms available from Registrar's Office

MARCH

Friday, 6

Department of Sociology
Brown-Bag series
Speaker: T. Hill
Topic: "Social Nudism; the World's
Closet Culture"
Place: RB 1045
1:00 - 2:30 pm.

Saturday, 7

15th Annual Sibley Tour
Start time at 9:30 am. (20, 40, & 50 km.)
12:30 pm. 10 km. family fun ski
Entry forms available at LU bookstore
and local sports shops.



1992 Varsity Home Schedule

February 7-8
Women's Basketball vs. UNIV. of
WESTERN ONT. 6:30 pm.
Men's Basketball vs. UNIV. of
WESTERN ONT. 8:30 pm.

February 21-22
Women's Basketball vs. GUELPH
6:30 pm.
Men's Basketball vs. GUELPH
8:30 pm.

**Campus Recreation Special Events
with Confederation College**
February 8 - Bowling Challenge
February 15 - Ball Hockey Challenge
and Broomball Challenge

Cornwall Concert Series 1991/92

All Concerts are held in the Recital
Hall, 210 S. Algoma St. and are on
Tuesdays at 12:30 PM unless other-
wise noted. Tickets are available at
the door.

Tuesday, February 11
Music by Aris Carastathis performed
by Department of Music faculty
members. Admission is free.

Tuesday, March 3
Thunder Bay Chamber Players.
Admission is free.

ALL THAT JAZZ!!

Free Jazz Concert
Sunday, February 16, 2:00 - 5:00 pm
Community Auditorium
Call the T.B.C.A. at 343-2300.

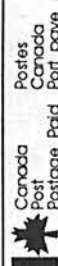
Agora

The AGORA is produced by the
Information Office, Department of
External Relations, Lakehead Univer-
sity, Thunder Bay, Ontario.
It is published monthly (except
August), and is distributed free of
charge to the University's faculty and
staff, local government, media,
business and friends of the University.
Credit is appreciated when material is
reproduced or quoted.

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