

Inside:

Collaborative Research
Good News for Caribou

..... blue pages

Sayonara to students

bound for Gifu..... 3

"Canada Sea-to-Sea"

Expedition begins 3



Lakehead

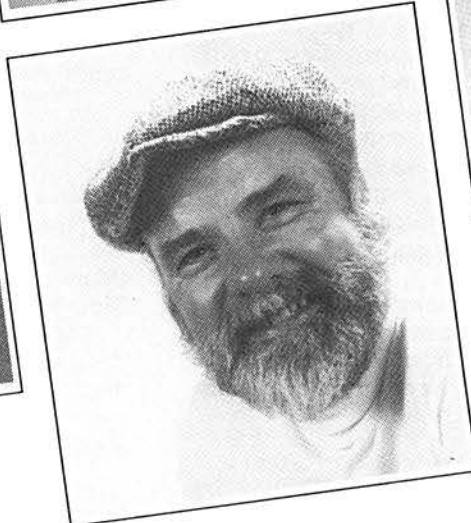
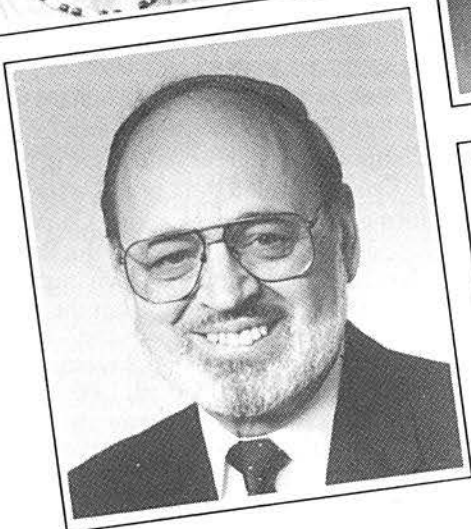
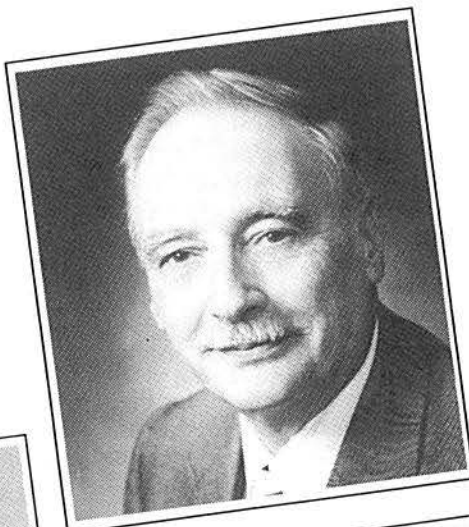


University

AgorA

THUNDER BAY, ONTARIO VOL. 8. NO. 5

MAY 1991



Top left to right, Lois Wilson,
Kenneth Armson, Roberta
Bondar, Arn Westlake, Arthur
Black and Richard Lyons.



**A Most Impressive
Group of Canadians
at Convocation '91**

Continued on page 2

The Very Reverend Dr. Lois Wilson will be installed as the University's 5th Chancellor. Honorary degrees will be bestowed upon Dr. Roberta Bondar, the Canadian astronaut from Sault Ste. Marie, who will go on the next space mission as a payload specialist, Arthur Black, the man often referred to as the Leacock of the North, Richard Lyons, the much-loved and respected Native elder, and Kenneth Armson, the man whose name is synonymous with forest management. Title of Fellow of the University will be conferred upon Arn Westlake, well-known Thunder Bay business man and community leader. And if all that is not enough, this year's graduating class will be the largest in history, 1460 and growing.

Black will address the morning convocation and Armson the afternoon session.

KEN ARMSON

Ken Armson was born in Newtonbrook, Ontario, in 1927. After graduating from the University of Toronto, he began his career as a research forester with the Ontario Department of Lands and Forests. In late 1952 he joined the Faculty of Forestry at U of T and carried out teaching duties and research in the areas of silviculture and forest soils with a leave of absence for graduate work at Oxford.

As a result of his professional and scientific experience and his wide-spread recognition, Mr. Armson was approached by the Ontario Ministry of Natural Resources in 1974 to undertake an in-depth evaluation of their forest management program with emphasis on silvicultural and professional practices. This resulted in the publication of "Forest Management in Ontario 1976", the so-called "Armson Report" recommending the concept of Forest Management Agreements.

In 1978, Mr. Armson accepted the post of Special Advisor on Forest Regeneration to the Forest Resources Group of the Ontario Ministry of Natural Resources and was involved in drafting the original agreements and the legislation which brought the Forest Management Agreements into law.

As Chief Forester with the Forest Resources Group of the Ontario Ministry of Natural Resources, Armson developed a major paper on private land forestry which became a government "green" paper entitled "Private Land Forests, a Public Resource".

He has been the recipient of two major awards: in 1978, the Gold Medal award of the Canadian Institute of Forestry, and in 1990, the Ontario Forestry Award from the Ontario Forestry Association and more than one hundred publications and a textbook on forest soils to his credit.

ARTHUR BLACK

When Arthur Black comes to Thunder Bay, the place he calls his "spiritual hometown", he'll receive his Honorary Doctor of Letters and record a special edition of CBC Radio's Basic Black (aired June 1 at 10:05 am). Black isn't letting his honorary PhD go to his head. "I don't like formality," he says. "Please don't call me Dr. Black. Dr. Art will do." This zany author is best known for his Saturday morning program described as "inspired lunacy, music and interviews every Saturday morning on CBC radio". Black's style and commentary are what appeals to his Canadian listening public. Over a third of a million listeners per week attest to his popularity. Countless others watch him on CBC-TV's "The Journal", while others read his syndicated column cross country in many weekly newspapers. Among Arthur Black's credits are a 1976 Ohio State Award for the best radio children's series; a 1977 George Cadogan Award as the best weekly columnist; and a 1987 National Magazine Award for humour.

Black's award celebrates the benefits that northwestern Ontario has received from Black's long association with it. Yes, he's come a long way since the early 70's when he was a livestock reporter in Toronto. Welcome back, Dr. Black.

ROBERTA BONDAR

Roberta Bondar received zoology and agriculture degrees from Guelph in 1968, a Masters of Science degree in experimental pathology from the University of Western, a doctorate in neurobiology from the University of Toronto and a medical degree from McMaster in 1977.

She worked for six years for the then federal Fisheries and Forestry Department on genetics of the spruce budworm with reference to the visual system. After internship in medicine at Toronto General Hospital, she completed postgraduate medical training in neurology at the University of Western Ontario, in neuro-ophthalmology at Tufts' New England Medical Center in Boston and at the Playfair Neuroscience Unit of Toronto Western Hospital.

She is one of six Canadian astronauts selected in 1983, and began astronaut training in 1984. In 1985 she was named chairperson of the Canadian Lifesciences Subcommittee for Space Station. She is a Civil Aviation medical examiner, a member of the Ontario Premier's Council on Science and Technology, a member of the scientific staff at Sunnybrook Hospital and a Stroke Neuro-Ophthalmology Research Fellow at Toronto Western Hospital.

Dr. Bondar was chosen as one of two Canadian Payload Specialist candidates who began training in the spring of 1989 for the IML-1 mission. In early 1990, she was designated as the prime Canadian Payload Specialist for this mission scheduled for the near future.

RICHARD CHARLES LYONS

Born in Fort Frances, Ontario in 1925, Richard Charles Lyons is a well-known figure in Northwestern Ontario for his lifelong commitment to stimulating interest and pride in Native culture.

In 1972, Mr. Lyons founded the Lyons Dance Troupe which has since performed for audiences across Canada, the United States, and Europe including members of the Royal Family.

Mr. Lyons has been the recipient of two important awards: an Outstanding Achievement Award from the Ministry of Citizenship and the Ministry of Culture and Communications (March, 1989) and a Good Citizenship Award from the Ministry of the Solicitor General (April, 1989).

Mr. Lyons, by his countless achievements and selfless dedication to Native cultures, continues to recognize "the need to provide bridges between Native and non-Native communities through the sharing of cultural activities".

ARN WESTLAKE

Arnold Eugene Westlake was born in Trenton, Ontario in 1930. He joined the Canadian Bank of Commerce in Trenton, Ontario in 1950 and subsequently served at various branches in Ontario. During his career he served as field auditor in the bank's head office; worked in international banking in the Caribbean and the United States; was advertising manager in the head office; and regional superintendent in the Eastern and Northern regions of Ontario. Mr. Westlake became associate dealer for Canadian Tire Corporation in Bolton before transferring to Thunder Bay in 1976.

Community involvements have been so extensive there was a farewell tribute for Arn and Margaret Westlake at the Community Auditorium prior to his retirement to British Columbia.

Around Campus

Visiting Lecturer: Geography of the Holy Land Dr. Yehuda Gradus

The Summer Course, Geography 3901: Geography of the Holy Land (also calendared as Religious Studies 3705) will be taught by a visiting Israeli scholar, Dr. Yehuda Gradus of Ben-Gurion University of the Negev, Beer Sheva.

Dr. Gradus completed his B.A. in Geography and Political Science at The Hebrew University in Jerusalem, and his M.A. and Ph.D. in Geography at the University of Pittsburgh, Pennsylvania (where one of his instructors was Dr. Gilley of Lakehead's Geography Department). After two years lecturing at the Greensburg campus of the University of Pittsburgh, Dr. Gradus returned to Israel and the new Ben-Gurion University of the Negev (named for Ben-Gurion, the first Prime Minister of Israel). He is now Professor in the Department of Geography there; the first incumbent of the Harry M. Levy Chair in Geography and Regional Planning. From 1985 to 1989, he was Dean of the Faculty of Humanities and Social Sciences.

Dr. Gradus has published seven books and over forty papers and chapters in books; mostly on Israel and especially the Negev, the arid desert that covers the southern half of Israel. He has presented scholarly papers all over the world - from Belo Horizonte (Brazil) to Lanzhou (China) and from Melbourne (Australia) to Moscow (USSR) - and has delivered guest lectures at universities in India, South Africa, Belgium, the United States and Canada. He was previously at Lakehead in the Fall of 1989, giving a paper at the conference on the Circumpolar North.

Changes to OSAP

Part-time students will receive larger transportation and personal living allowances. In previous years, part-time students got a percentage of the full-time allowance, based on what percentage of a full course load they were taking. Now they will receive the same amount as full-time students.

Changes to the way Ontario utilizes the Canada Student Loan program will make an extra \$36 million in loans available to Ontario students. Because we will now be allowing additional expenses, single students will receive a \$28 per week miscellaneous allowance and married and sole-support parents will be eligible for an additional maintenance allowance of \$634 per child if they have one or two children and \$1,248 if they have three or four children.

The number of Ontario Graduate Scholarships will be increased by 100 from 1200 to 1300 and the amount of the

scholarships will also be increased to \$3,953 from \$3,766 per term.

A major review of OSAP will be undertaken and completed by August 1991, will be conducted in consultation with students, faculty, administrators, and others who have an interest in OSAP. The ministry intends to implement major change in OSAP in time for the 1992-93 academic year.

Some of the issues covered by the review will be:

- financial eligibility criteria;
- the way student aid is allocated, including an examination of student debt loads; and
- measures to help non-traditional students, including part-time students, those with special needs, single parents and adult learners.



Modern Day Voyageurs Retrace the Path of Mackenzie



What do 36 Lakehead University students, 3 assistant expedition leaders and one Outdoor Recreation, Parks and Tourism professor, all in voyageur costume equal? The second phase of the "Canada Sea-to-Sea" expedition. These brave explorers, under the guidance of Dr. Jim Smithers, left Lakehead University on April 29 to visit Southern Ontario schools, bringing a Stay-in-School message to thousands of school children, before embarking on the official expedition. The voyage begins in Lachine, Quebec on May 15 and ends in Winnipeg, Manitoba, August 23.

In 1989, 25 Lakehead students, with Dr. Smithers at the "helm", paddled 3500 km from Fort McMurray, Alberta to the Arctic Ocean, recreating Mackenzie's first journey down the river that now bears his name. In 1992 the expedition team travels from Winnipeg to Peace River, Alberta and in 1993 from Peace River to Bella Coola, British Columbia.

The voyageurs will perform their living history roadshow across Canada. The full two hour programme includes a thirty minute historical drama, complete with songs, stories and dances, centred around an historical encampment.

The pre-expedition performances in the Midland area, Toronto and London have played to enthusiastic crowds and despite a little rainy weather the spirits of the voyageurs haven't been dampened. Says expedition member Cliff Britton, "it's thrilling to see the kids' eyes wide with excitement when we do our interpretations."

As they say in Japan...Sayonara!

The link between Lakehead University and the Gifu University for Education and Languages in Japan keeps growing stronger. Last summer the two post-secondary institutions signed a General Agreement charting the commitment of both facilities to establish faculty, administrative and student exchanges as well as joint workshops. The inaugural activity within the recently signed student exchange agreement.

Cindy Smith, fourth year Concurrent Education and Kristin Graver, second-year Political Studies, travelled to the Pacific Rim on May 1 and will stay until July 31. The city of Gifu is located on the island of Honshu, approximately 40 miles inland and west of Tokyo. The students will receive basic instruction in Japanese and in turn, will act as instructors for English Language classes offered by the university. They will live with Japanese families for their entire stay. The students are, understandably, very excited about the new world they are encountering this summer.

"This is an opportunity I cannot pass up," said Kristin.

The two are considered special guests and their airfare, accommodation and academic fees will be paid for by Gifu University.



Cindy Smith, left, and Kristin Graver study the map prior to departure.

Program Encourages Young Students to Consider Engineering Careers

Laurentian University will receive a \$4,000 grant from the Ministry of Northern Development and Mines to assist with its Engineering Awareness Program for senior elementary school students.

The program is aimed at Grade 7 and 8 students who may be still deciding whether to enter technical programs in high school.

In May 1990, about 200 Grade 7 and 8 students from four Sudbury area schools attended the pilot program at the Laurentian University School of Engineering. Students participated in specially formatted labs for one day that gave them a taste of engineering and exposed them to computer-aided design, ventilation, flotation, pyrometallurgy, fluid mechanics and surveying.

Engineering students and technical staff provided the instruction, and at the end of the program students received a diploma and a brass medallion that they had cast and moulded themselves.

Response to the pilot program from students, parents, teachers and school board consultants was positive. This year, Laurentian wants to increase the number of participating students to about 400 by extending the sessions from the original three days to five.

The university also intends to hire engineering students as instructors again. At least half will be women, who will serve as positive role models for the young female students. "This initiative is helping break down the stereotypes associated with a mining career and will therefore encourage young people to seriously consider furthering their education in this field", said Mines Minister Gilles Pouliot. "By ensuring a stock of competent young professionals for years to come, the

mining industry will be the long-term beneficiary of initiatives such as this".

The Sudbury Chapter of the Canadian Institute of Mining and Metallurgy has also pledged a grant of \$1,000 to assist with this project.

Vending Contract Awarded

In the spring, the university tendered its contract for the provision of campus vending services for the next three years.

Twin City Refreshments Ltd. was the successful bidder and will replace Red Carpet Food Services as the campus vending contractor.

Government Announces Native Postsecondary Education and Training Strategy

The Ontario Government will provide \$3.1 million this year to initiate a strategy aimed at removing barriers within the postsecondary education system that limit the educational and training achievements of Native students.

The strategy is designed to encourage postsecondary institutions to work in partnership with Native communities to increase their role in decision making, program development, and developing admissions criteria. It will also provide Native organizations with funding to cover costs associated with their involvement in the implementation of the strategy.

"We want to increase the participation and completion rates of Native people in college and university programs", said Dr. Allen, the Minister of Colleges and Universities. "To accomplish this our postsecondary institutions must work together with Native organizations to increase their sensitivity to Native culture and issues and increase the extent of participation of Native people in decisions affecting Native postsecondary education".

Host a Japanese University Student

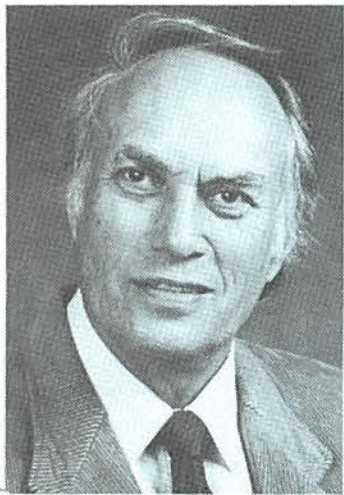
Japanese university students participating in a month-long summer language program at Lakehead University are placed with a homestay family for two weeks. Homestay begins Friday, August 9, 1991 and continues through to Friday, August 23, 1991. If you would like to open your home to two of these students and show them some Canadian hospitality, please call the Continuing Education Department at 343-8068. Some remuneration is offered to cover expenses.



RESEARCH NEWS

CARIBOU MAN: *Dr. Harold Cumming*

Protection of the rare and elusive woodland caribou has brought together two government departments, researchers, biologists, private industry and a concerned graduate student



Harold Cumming was born on Manitoulin Island and perhaps that island beginning was the root of his lifelong curiosity about the world around him. He argues that it was the illustrated book, *The Living Forest*, which he read as a small boy, that had the most profound influence on his life. His education includes studies at the University of Toronto, Michigan State and the University of Aberdeen in Scotland. He has been teaching in the School of Forestry since 1973. As a wildlife biologist, his work has been largely with animals of the deer family, moose, white-tailed deer and caribou, but it also includes eagles and beavers. According to Professor Cumming, "it is the caribou situation, however, that is critical."

A unique three-year partnership study by the Ministry of Natural Resources, Buchanan Forest Products and Lakehead University will study the

effects of timber harvest activity on the traditional wintering grounds used by woodland caribou near Armstrong. The partnership includes Dr. Cumming and his graduate student, Bruce Hyer, Regional Wildlife Biologist Tim Timmerman and employees at Buchanan, a locally owned and operated company with its head office in Thunder Bay. The study is being jointly funded by the Ministry of Colleges and Universities through the University Research Incentive Fund (URIF), MNR and Buchanan with the total value of the project estimated at \$150,000 over three years.

It was 1958 when Cumming, then district MNR biologist at Geraldton, first started to look for caribou around Lake Nipigon. In his own words: "by 1978, I had to admit we hadn't learned much in the last 20 years." His first major caribou project began in 1978: a partnership project that included researchers from

time into the winter behaviour of caribou.

Old and new studies indicate that one of Ontario's rarest mammals, the woodland caribou, is unusually sensitive to advancing civilization. In his article *CARIBOU COUNTRY*, Cumming noted that people are always astonished to discover that woodland caribou live within 100 miles of Thunder Bay! The article provides detailed information about the woodland caribou and the importance of forest management to guarantee their survival in this area of Northwestern Ontario.

Cumming believes that the herd he's been studying numbers about 100. "The herd is holding it's own, and there is some risk involved with the controlled study,

"There is something immoral about using the forest in such a way that it drives out the natural inhabitants."

Lakehead University, the Canadian Forestry Service and the Nipigon District MNR. That project investigated where caribou lived in the area surrounding the upper half of Lake Nipigon. In 1981, he conducted another study, also with Nipigon District, and supported by Great Lakes Forest Products and the World Wildlife Fund, but this

but we won't know until we try it." Background information provided by the MNR and Cumming indicate that the decline of caribou was probably due to a combination of human disturbance factors including hunting and land clearing, increased

"Effective caribou management will require that foresters, wildlife biologists, planners and technical staff have a high level of understanding of caribou ecology."



predation by wolves due to increased moose and deer densities, disease and change of habitat through logging and fire.

The tagging portion of the project is not an easy task. In July, the caribou will be chased from the islands into the water where motor boats have proven the most successful method of tagging. Admitting it sounds a bit like a "roundup complete with a lasso", Cumming argues that it's the most effective method with the least amount of stress to the animal. Their research findings will be directly applicable to forest and wildlife planning for the Armstrong area and assist in planning future timber management operations which will allow accessing and transporting wood with minimum impact on the caribou.

LEADER: New group has a closer look at ecology and evolution issues

There may not be a lot of food, but Dr. Azzim Mallik, Department of Biology, will assure you there is a lot of food for thought. During the winter term, an enthusiastic group of Lakehead University faculty, graduate students and Ministry of Natural Resources researchers met every Thursday at 11:30 a.m. in the Centre for Northern Forest Ecosystem Research boardroom to discuss various contemporary issues related to the topics of ecology and the environment. The group calls itself the Lakehead Ecology and Evolution Discussions on Environmental Research (LEADER).

LEADER is made-up of approximately 15-20 people. At each session, a member of the group is asked to lead the discussion on a specific issue and he/she talks for 15-20 minutes to introduce the subject, controversy around it, and its academic and practical implications. The presentation is followed by a very lively discussion. Topics of discussion range from sociology-geography, to hard core theoretical aspects of ecology and evolutionary thinking, to scientific travel accounts in the eroded highlands of Turkey or India.

Questions always seem to arise such as, "How do we determine species behaviour, population regulations, species extinction, and adverse impacts of humans on the environment?" And most importantly, "How can environmental degradation be stopped?" All suggestions are welcome and everyone's opinions and comments have equal importance. Dr. Mallik states, "I soon realized how much there is to know about the things that are slightly away from my own little world of specialization. Every Thursday lunch hour opened my eyes in more than one way, as I am sure it did to many others in attendance."

Dr. Doug Morris is to be commended for this successful initiative and the Centre for Northern Studies for the coffee and donuts. Thanks are also due the Centre for Northern Forest Ecosystem Research for providing the excellent meeting facilities.

LEADER members invite all interested students, faculty and staff to join them when these talks resume in the fall.

SSHRC RESEARCH AWARDS ARE ANNOUNCED!

SSHRC has recently announced the results of the 1991/92 Research Grants competition. In total, the Grants Selection Committees recommended to SSHRC that four Lakehead University researchers be funded. However, due to the increasing numbers of researchers applying to the Council

for limited federal research dollars, many deserving research proposals were not funded. The Office of Research and Graduate Studies would like to take this opportunity to commend all researchers for their efforts in this year's competition.



Dr. Livio Di Matteo



Dr. Thomas Dunk



Dr. Patricia Jasen



Dr. Harun Rasid

NEW SSHRC RESEARCH GRANTS

Dr. Livio Di Matteo, Department of Economics - "Wealth Holding in Ontario: 1892".

Dr. Thomas Dunk, Centre for Northern Studies/Sociology - Native Labour in the Early Industrial Economy of Northwestern Ontario: 1850 - 1950".

Dr. Patricia Jasen, Department of History - Canadian Cultural History; the relationship between economic and cultural factors examined in specific contexts, such as the tourist industry".

Dr. Harun Rasid, Department of Geography - Flood Control Controversy in Bangladesh: Floodplain Residents' Perception of mega-projects, mini-projects and indigenous adjustments".

SSHRC GRANTS RENEWED FOR 1991/92

Dr. Patricia Jasen, Department of History, Canada Research Fellowship.

Dr. John O'Meara, Department of Education - Research Grant: "Derivational Morphology of Northwestern Ontario Ojibwe".

Dr. Robert Payne, School of Outdoor Recreation - Research Grant: "Social Profiles of Wildlife-Related Recreation Activity in Canada, 1981 - 1988".

INTERNATIONAL GRANT ASSISTS DEVELOPMENT OF PROTOTYPE MONITOR

Dr. Laurie Garred, Chairman, Department of Chemical Engineering, has been awarded an international collaborative travel grant by External Affairs and International Trade Canada's program, Going Global - Europe 1992. Through this program, university researchers are invited to explore, establish or consolidate links between Canada and Europe in the field of science and technology. Dr. Garred spent a sabbatical year in 1988-89 with an interdisciplinary group of physicians and engineers at the University of Montpellier, France, on several problems related to the treatment of patients with failed kidneys. Dr. Garred plans to continue his research collaborations with his French colleagues, to develop a prototype urea monitor, a project which was initiated during his sabbatical leave. The success of this project could lead to a commercial device with worldwide marketing potential.



RESEARCH CONTRACTS AWARDED

Dr. Peter Duinker, Chair in Forest Management and Policy, School of Forestry, has been awarded a research contract by the Ontario Ministry of Natural Resources' Northern Forest Development Group, entitled "Marten Habitat Supply Analysis in Timmins". Dr. Duinker believes that proper integration of wildlife values with timber values in forest management is unlikely to occur unless forest managers are able to forecast quantitatively the temporal and spatial responses of wildlife habitat carrying capacities to alternative management strategies. The objective of this study is to develop and test a dynamic habitat simulator to forecast marten carrying capacity responses to forest-management strategies.

Dr. Gary Murchison, School of Forestry, has been awarded a research contract by the Ministry of Natural Resources, Northern Region entitled, "Forest Harvesting Residue Sampling Methodology". The objectives of this study are: 1) to review the technology of conducting forest harvest residue surveys and fuel wood surveys at the stand level or clearcut level; 2) to evaluate the relevancy of specific methodologies to estimate residue and infractures of the Crown Timber Act as a result of harvesting; and 3) to develop and test an economical and statistically justifiable system of estimating logging residues in cut-over areas of Northern Ontario. Dr. Murchison states, "Logging residue, whether due to uneconomic or defective products or due to wasteful practices may offer an impediment to subsequent silvicultural treatment and may result in charges being laid against an operator".

Dr. Murchison has also been awarded a research contract by the Ontario Ministry of Natural Resources' Northern Forest Development Group, to compute and evaluate merchantable tree volume estimates for jackpine, based on the Honer's volume function.

RESEARCH OPPORTUNITIES

THE CANADA COUNCIL The Killam Program

The Killam awards of the Canada Council are intended to support scholars of exceptional ability engaged in research projects of broad significance and widespread interest. Two categories of awards are offered under the Killam Program: The Izakk Walton Killam Memorial Prizes and The Killam Research Fellowships.

The Izaak Walton Killam Memorial Prizes are intended to honour eminent Canadian scholars actively engaged in research, whether in industry, government agencies, universities or elsewhere. Three prizes are available to be awarded in each of the following areas: the natural sciences; engineering; and the health sciences. Only Canadian citizens are eligible for this honour. The prizes provide \$50,000, to be used as desired by the recipients. Scholars cannot apply for this

award on their own behalf, but must be nominated by three experts in their fields. The deadline for submitting a nomination is June 30, 1991.

Killam Research Fellowships are offered on a competitive basis to support researchers in any of the following broad fields: humanities; social sciences; natural sciences; health sciences; engineering, and studies linking any of the disciplines within these broad fields. The purpose of the Killam Research Fellowship is to provide released time to an individual scholar who wishes to pursue independent research. This fellowship provides partial or full salary replacement, to a maximum of \$53,000, for up to two years. Applicants must be Canadian citizens. Permanent residents must present evidence of the intention to stay in Canada after the period covered by the award. The deadline for submitting applications is June 30, 1991.

MRC RECOMMENDATION ON ANIMAL RESEARCH

The Medical Research Council of Canada has published a Discussion Paper on the Use of Animals in Research. The paper discusses the need to use animals in research and makes recommendations about their treatment. The report aims at ensuring the humane care, use, and treatment of research animals. While the guidelines are voluntary, MRC and NSERC will refuse funds or withdraw them from any researchers it supports who do not abide by them. Copies of the report are available in the Office of Research and Graduate Studies.

GRADUATE STUDIES NEWS

FACULTY APPOINTMENT TO OCGS APPRAISAL COMMITTEE

Dr. Jim Stafford, Department of Sociology has been appointed, beginning July 1, 1991, to a three-year term as a member of the provincial graduate Appraisal Committee by the Ontario Council of Graduate Studies. The Appraisal Committee is responsible for periodically reviewing all existing Ontario graduate programs to ensure they are maintaining a good quality program as well as review all applications for new graduate programs. Lakehead University is fortunate to have continuous representation on the Appraisal Committee. Dr. John Jamieson is to complete his three-year membership on June 30, 1991. During his last year, Dr. Jamieson was Chair.

RECENTLY COMPLETED GRADUATE STUDENT THESES

STRAW, Geoffrey (M.A. Psychology)

Supervisor: Dr. Marg Sellick

Thesis Title: Relaxation and Guided Imagery for the Quality of Life of Cancer Patients Undergoing Chemotherapy.

G S A Mutual Appreciation for Grad Students and Profs

The Annual Spring Graduate Student Barbecue, hosted by the Office of Research and Graduate Studies and the Graduate Student Association was held on Thursday, 4 April 1991. A large number of faculty, graduate students and their families were in attendance.

Ms. Maria Farno, President of the Graduate Student Association, presented the award for

Favourite Professor of 1990-91 to Drs. Ken Brown and Peter Duinker of the School of Forestry, and to Dr. Marg Sellick, Department of Psychology. The awards for Outstanding Graduate Student of 1990-91 went to Maria Kostakos, Department of Psychology and Patrick Matakala, School of Forestry. The names of the professors and graduate students will be engraved on a special plaque, which is located in the Office of Research and Graduate Studies.

Upcoming Deadline Dates Quick Reference

Research Opportunities

Asia-Pacific Research Fund - Open

Canadian Cancer Society's Stephen Fonyo Fellowship Award - anytime, but 2 months prior to when training begins.

Canadian Department of Communications; International Cooperation Assistance fund on New Information Technologies - Open

CIDA International Development Research Centre (IDRC) - Open, allow 3 months for a full response.

Easter Seal Research Institute of Ontario: Research Grants (April 15 and October 15).

Educational Centre for Aging and Health; Fellowships/ Bursaries - January 1, April 1, July 1, October 1

Energy, Mines and Resources; Environmental Studies Revolving Funds - Open

Health and Welfare Canada; National Health Research and Development Program (NHRDP) - deadline changed to June 1, 1991; Conferences and Workshops - any time after April 1, 1991; Aids Research Program - March 15 and September 15, 1991; and Career Awards - July 31, 1991.

Heritage Canada Foundation Awards Program - June 1, 1991

Japanese Science and Technology Agency Fellowships - STA/NSERC - Open, but allow 6 months for processing

Japan Science and Technology Fund - EAITC/ISTC/NSERC - Open, but allow 3 months for processing.

Killam Program of the Canada Council: Research Fellowships - June 30, 1991 and The Izaak Walton Killam Memorial Prizes - June 30, 1991.

National Geographic Society; Research Grants - Open

North Atlantic Treaty Organization (NATO) - Advanced Research Workshops - Open

National Science Foundation (NSF) - Open, but must allow 6 months for review and processing.

Northern Ontario Heritage Fund - Open

NSERC Forestry Postdoctoral Assistantships - January 15, April 15, July 15, October 15

NSERC Workshops and Seminars - Open

Ontario Ministry of Health - Ontario Nursing Innovation Fund, Group projects - January 1, May 1, and September 1; Professional Development for RNs and RNAs - Open

Social Science Federation of Canada - Aid to Scholarly Publications Program - Open

SSHRC Special Awards: The Queen's Fellowships, Canadian Law Scholarship Foundation, SSHRC Legal Research Scholarship, Doctoral Fellowships in Management Studies - Open

University Research Incentive Fund (URIF) - January 31, May 31, October 15

World Health Organization; Fellowships - June 30, 1991.

World Wildlife Toxicology Fund - Open

World Wildlife Endangered Species Recovery Fund - January 1, April 1, July 1, October 1

GRADUATE SCHOLARSHIPS AND RESEARCH OPPORTUNITIES

Ontario Ministry of Community and Social Services: Northern Bursary Program - June 7, 1991.

UPCOMING CONFERENCES

Social Science Federation of Canada 1991 Conference September 27 - 29, 1991, Ottawa

The theme of this year's conference is **Public Awareness of Social Sciences**. For a number of years, there has been a debate within the Federation about the importance of popularizing social science research and bridging the gap between the academic community and the public. On the whole, the academic community agrees with the need to inform the public, government and the private sector about the importance of social science research and the relevance of its findings to the well-being of our society. Conference topics include: Communicating Scientific ideas Through the Media, Universities and Social Science Awareness and Social Sciences: the View from the Hill.

FAREWELL WISHES

The Office of Research and Graduate Studies would like to thank Mrs. Connie Hartviksen for her energy and commitment to the activities of the Office during her time as Interim Research Officer and most recently, as Special Projects Research Officer. We regret that multiple commitments have made it impossible for her to continue in this position. Many thanks, Connie!

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 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 information and application forms on any of the above research programs, please call Anne Fiorenza at ext. 8223 or drop by the Office of Research and Graduate Studies.

For information about Foundations, please call Jo-Anne Silverman, Foundations Officer at ext. 8910 or drop by the Alumni House.

Darlene Althoff

Darlene Althoff (ext. 8153) recently joined the Office of the Registrar as the Information Services Co-ordinator. The position is fairly new and was created as a result of organizational changes in the office. Althoff is responsible for the management and supervision of the Information Centre, counter and staff and provides support to the Liaison staff. "It's very busy here - even now. I'm glad I didn't start in September!" Originally from Thunder Bay, Althoff moved to Ottawa to attend the University of Ottawa and graduated with a Bachelor of Arts degree in Communication Studies and French. Following graduation, she worked for the federal government in the Government Information Centre. From 1987 until recently Althoff worked for a member of Parliament but is happy to be back home. "I'm looking forward to going to the cottage on a frequent basis again." Althoff enjoys spending her leisure time with her 7-month old daughter, Sarah.



The Department of Music Receives Canadian Music Scores

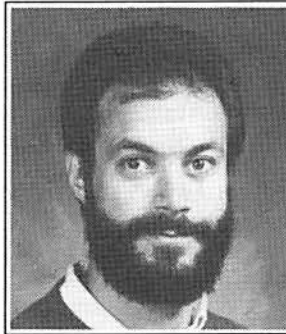
The Department of Music, with funds administered by the Centre for Northern Studies, has purchased over 450 scores of Canadian music from the Canadian Music Centre in Toronto.

Printed editions comprise about one-third of the collection, while facsimiles of autographs and manuscripts make up the rest. The scores, which include solo, chamber and orchestral works, choral pieces and operas from the late nineteenth-century to the present day, include works by John Weinzwieg, Murray Schafer, Harry Somers, Claude Champagne and Serge Garant, and compositions by younger composers like Rodney Sharman, Glenn Buhr and Alexina Louie. Two years ago the Department received a donation from Radio Canada International of over 130 records and compact discs of Canadian music. The Department of Music Reference Library will now have scores to accompany most of these recordings.

In addition to the new scores, the Reference Library houses a 24-volume facsimile collection of the complete works of S.C. Eckhardt-Gramatte (donated by the Eckhardt-Gramatte foundation 1988), facsimile reprints of the complete works of Harold Wevers and Aris Carastathis, signed copies of several works by John Weinzwieg and over 250 records, tapes and discs of Canadian music.

In the past year the Department of Music's third-year course on music and musicians of Canada, the Canadian content on the Cornwall Concert Series (premieres by Aris Carastathis and Harold Wevers, along with works by Malcolm Forsyth, Talivaldis Kenins, Gerhard Wuensch, Jacques Hetu, Walter Buczynski and Bruce Shavers), the sponsorship of the Thunder Bay Symphony Orchestra's premiere of "A Giant's Dream" by Aris Carastathis, the Canada Music Week concert featuring the Thunder Bay Chambers Players, guest lectures by composers Harry Freedman and John Weinzwieg, have all contributed to the Department of Music's growing reputation as a leader in the promotion and dissemination of Canadian music.

Laird Van Damme



Laird Van Damme was recently appointed the Director of the Ontario Advanced Forestry Program. No stranger to the university, Van Damme graduated with a Bachelor of Science in Forestry in 1982 and Masters in 1985. He was a term lecturer at the university in 88/89. Prior to his appointment, Van Damme was General Manager at KBM Forestry Consultants in the city.

The Ontario Advanced Forestry Program was designed to develop resource managers' skills through a comprehensive study of the biology, ecology, economics and silviculture of contemporary forest management. The program began functioning in September 1990 and consists of six program modules. It is administered jointly through Lakehead University and the University of Toronto and is funded by the Ministry of Natural Resources.

"I had a choice between operating out of Lakehead or out of Toronto," says Van Damme. "I chose Thunder Bay because I know the university well and I like the area."

The program modules expose resource managers to the theoretical underpinnings of their practice. "It's purpose is to stimulate ways of problem-solving. We want to interest them in looking at more creative solutions. It's important that managers be as current as possible so they can better meet society's expectations," says Van Damme.

The fourth module, led by Prof. Bob Day, was held in early May at Lakehead University and dealt with the principles and practices of Forest Regeneration.

"What's Happening in the Library?"

Are you or is someone you know interested in attending a particular college or university, or interested in enrolling in a particular course or program? You can now search the Ministry of Colleges and Universities publication "Horizons: Guide to Postsecondary Education in Ontario" on a microcomputer. This program contains the same information as the print copy. You can find out about any institution, course or program in Ontario. (Graduate programs have been excluded from this package.)

This package is quite simple to use and very graphic in its presentation. The software is designed to be user friendly through the use of the Commander who is always on the screen to show you what you can do at any point.

This package is loaded on the microcomputer in the Government Publications room on the Main Floor of The Chancellor Paterson Library. Instructions are located beside the workstation and assistance is available at the Information Desk.

Why not give it a try!!!

Tours

Did you know that the Reference Department of The Chancellor Paterson offers guided tours and instructions sessions? If you would like to arrange for a tour or session, contact the Orientation/Off Campus Services Librarian at 343-8147.

People, Papers/Publications Special Projects/Awards

Publications

Dr. Said Easa, Professor, Department of Civil Engineering, is the author of the following publications: "Modelling of Stadia Surveying with Incomplete Intercepts", 1990, Vol. 116, No. 3, "Pyramid Frustum Formula for Computing Volumes at Roadway Transition Areas", 1991, Vol. 117, No. 2, and "Discussion: Application of Graph Theory to Computer-Assisted Mapping", 1991, Vol. 117, No. 2, all in the Journal of Surveying Engineering, "Extension of AASHTO Remaining Life Methodology of Overlay Design", Transportation Research Board (TRB) Journal, No. 1272, 1990, "Note on an Optimization Model for Pavement Marking Systems", European Journal of Operational Research, 1991, Vol. 51, "Discussion: Geometry of Corner Lot Curves", 1990, Vol. 50, No. 3, "Discussion: On the Average Height in Volume Computations", 1990, Vol. 50, No. 3, "Discussion: Partitioning of Pie-Shaped Lots", 1991, Vol. 51, No. 1, "Generalized Geometry of Corner Lot Curves", 1991, Vol. 51, No. 1, and "Unified Design of Vertical Parabolic Curves", 1991, Vol. 51, No. 2, all in the Journal of Surveying and Land Information Systems. He is also the author of a paper entitled "Practical Optimization Model for Realignment Railway Horizontal Curves", Journal of Civil Engineering Systems, Vol. 8, 1991. The model maximizes curve smoothness and ride quality and minimizes the work of the maintenance crew.

Dr. Easa presented the following papers at the Annual TRB Conference, January 12-17, 1991, Washington, D.C.: "Sight Distance Model for Unsymmetrical Sag Curves", "Sight Distance Model for Unsymmetrical Crest Curves", and "Lateral Clearance to Vision Obstacles on Horizontal Curves". These papers were also accepted for publication in the TRB Journal in 1991.

Patricia Vervoort, Department of Visual Arts, presented a paper entitled "Masking and Mapping the Prairie Landscape: Fragments in 2 and 3 Dimensions" at the British Association for Canadian Studies Annual Conference, April 12 - 14, at the University of Nottingham.

Dr. I. Nirdosh, Professor of Chemical Engineering, has been invited to join the delegation of North American scientists to visit this fall the mining and ore processing operations in the Magadan and Noril'sk areas in the Soviet Union. The visit is being arranged by the People to People International in conjunction with the Soviet Ministry of Geology and the Ministry of Mines and Minerals.

Appointments

The following were approved by the Board of Governors at its meeting on April 29, 1991:

Dr. Jane Crossman - Reappointment as Chairman of Physical Education

Dr. Norman LaVoie - Reappointment as Director of Physical Education and Athletics

Dr. Joseph Stewart - New appointment as Chairman of Anthropology

Dr. Glen Carruthers - Reappointment as Chairman of Music

Dr. Manfred Kehlenbeck - New appointment as Chairman of Geology

All are appointed for a three year period, effective July 1, 1991.

Dr. J. Stafford's, Department of Sociology, appointment to the Appraisals Committee has been approved by the Ontario Council on Graduate Studies. This appointment is for a three year term commencing September 1, 1991.

Travels/Conferences

Robert Dille of the Department of Geography and **Margaret Johnston** of the Centre for Northern Studies were among over 300 academics, planners and developers attending a conference on "Recreation Trends and Mountain Resort Development" in Vail, Colorado from April 18 to 21. Mr. Dille gave a paper on "Roads and Traffic in the English Lake District National Park: Problems and Planning Options" and Dr. Johnston one entitled "Diffusion and Difference: Ideas and Behaviour in Mountain Recreation in New Zealand".

Ms. Gisella Scalese, Off-Campus/Orientation Librarian at the Chancellor Paterson Library, has been selected to receive a grant of \$500 to attend the Canadian Library Association Conference in Montreal. The grant is provided by the Canadian Association of College and University Libraries to assist new librarians to attend the annual conference.

Geography Department Field Trip Award

The Department of Geography is pleased to announce that it has received a generous donation of \$5000 from Mr. A.L. (Pete) Musselman. This money is being used to found a Field Trip Award; money to support an extra-curricular Field Trip to a location or locations of geographical interest. The intention of the Award is to give students the opportunity to see geographical features at first hand without being limited by the content of regular courses.

Anyone interested in running a field trip may apply for the Award, though priority for places on the trip must be given to students registered in a Geography program at Lakehead University. Further information may be obtained from the Department of Geography.

Awards

Dr. S.A. Mirza, Professor of Civil Engineering was recently elected Fellow of the American Concrete Institute (ACI). The honor was extended to him in recognition of his research towards the advancement of knowledge related to reinforced concrete, prestressed concrete, and composite steel-concrete structures. Professor Mirza was invited to receive the honor at the Awards Breakfast during the ACI Spring Convention held in Boston, Massachusetts, March 16-22, 1991.

The ACI by-laws require that a fellow shall be a person who has made outstanding and distinguished contributions to a concrete-related profession in the areas of research, development, education, design, construction, or management. Those considered for the position are nominated by the Fellows Nominating Committee of the Institute and are elected by the ACI Board of Direction.

People's Choice Award Winner Announced

The people have voted! For the duration of the Lakehead University Juried Student Exhibition at the Thunder Bay Art Gallery, from March 27 to April 24, visitors were asked to vote for their favourite work out of the 70 in the show. The votes were tallied after its closing on April 24, in order to determine the winner of the People's Choice Award, which has a \$50 cash prize. A total of 610 people cast ballots, with the winning piece receiving 15% of the votes. The winner was Barb's Grocery Store by Barbara Reid.

Life in the Boreal Forest

The Canadian Society of Zoologists met at Lakehead University for the 30th Annual Conference May 8 to 11. The conference provided a forum for professional Zoologists to discuss recent developments in zoology. The conference theme was "Life in the Boreal Forest". The plenary symposium was entitled "Climate Change and the Boreal Forest" and included such topics as The Greenhouse Effect: the Need for a Paradigm, by Dr. Tim Ball, University of Winnipeg; Vegetation changes in the Boreal Forest due to Global Warming, Dr. Hank Shugart, University of Virginia; Possible Greenhouse-induced Habitat and Faunal Changes in the Central Taiga of Canada, Dr. Willima Pruitt, University of Manitoba; and Direct and Indirect Effects of Climate Change on Lakes and their Catchments, by Dr. David Schindler, University of Alberta. Topics for concurrent sessions included: Ecophysiology and genetics of freshwater bivalves, Transmission strategies of parasites in the Boreal Forest and Zoological Systematics. As part of the conference, Dr. Rolf Peterson of Michigan Technological University made a presentation on Wolves of Isle Royale: perils of a small population."

APPOINTMENTS

After the approval of Senate, the Board of Governors ratified the following Adjunct Professor appointments:

Dr. John Jamieson, Department of Psychology, to Physical Education & Athletics;

Ms. Laura Butler, Thunder Bay District Health Unit, to Nursing;

Ms. Mary Grace Cino, Lakehead Psychiatric Hospital, to Nursing;

Ms. Evelyn J. Poleschuk, Thunder Bay District Health Unit, to Nursing;

Dr. Ken Abraham, Ontario Ministry of Natural Resources, to Forestry;

Dr. Rob Rempel, Ontario Ministry of Natural Resources, to Forestry;

Dr. Rob Steedman, Ontario Ministry of Natural Resources, to Forestry;

Mr. Dave Morris, Ontario Ministry of Natural Resources, to Forestry;

Dr. Wolfgang Haider, Ontario Ministry of Natural Resources, to Forestry;

Ms. Rhonda Millikin, Forestry Canada (Sault Ste. Marie), to Forestry;

Dr. Keith McClain, Forestry Canada (Sault Ste. Marie), to Forestry;

Dr. Stan Navratil, Forestry Canada (Sault Ste. Marie), to Forestry.

These are all our 3 year appointments with the exception of Dr. McClain and Dr. Navratil who are on renewal.

Senate Appointments

Three faculty were elected to Senate for the three year term, July 1, 1991 to June 30, 1994: Dr. D. Barry, G. Borradaile and Professor M. L. Kelley.

SPECIAL EVENTS

by Lynne Peters Maki, Alumni Volunteer

Special Events, as it states by its name
Are a variety of activities that are increasing in fame
Sports, culture and fundraising to name just a few
Plus the many other things that the Alumni can do

Let's start with sports, it's fun and it's active
With curling and golfing our Alumni are participative
The numbers at golf come in at around fifty
While curling boasts 96, now isn't that nifty?

But this is just the tip of what the Alumni present
We work hand in hand with the office of the President
To provide activities for our students present and past
With hopes that the Alumni Association will continue to last

Convocation Eve is a touching affair
Graduating students, families and friends are all there
The presented award is a highlight alone
As it honours a past grad whose achievements are known

The list of recipients includes Dusty Miller,
Ron Duhamel, Lorne Everett, our society's pillars
This year the award goes to another fine fella
We are proud to present it to Tony Petrina

The very next day is Convocation itself
And once again the Alumni won't sit on the shelf
At least twenty-five volunteers in proud succession
Marshall and lead the graduating procession

But fun and socializing is not all we can do
When we get down to work we can turn a looney or two
Our Annual Fund Drive has been quite a success
And the 90-91 year has been our best fund drive yet

Contributions were high so our giving was plenty
With scholarships and projects our pockets we empty
We're happy to say pride is one of our finest
The art work and prints can be seen around campus

But don't take a breather 'cause we're not done yet
There are other events at which we're adept
Students are assisted during Orientation Week
With flea markets and booths where Alumni can speak

To let them know what the Alumni is about
And that we're here for the joining when they finally get out
Our Association is growing, our members increasing
With new chapters and new members it's really quite pleasing

So to wrap it all up we've been really busy
With reunions and theatre nights our life's been a tizzy
But the volunteer dinner in spring is to show
All those people who help and to just let them know

That without them and all the hours they give
The Alumni Association would assuredly not live
So, before we put this poem to its rest
Thank you to all who help out, you're truly the best

*Join the hardworking Alumni Association at Convocation Eve at
8:30 p.m. in the Faculty Lounge.*

Campus Calendar

To include your Department's event or activity in the Campus Calendar, please call Patricia Trainor at 8300 or mail your information to SN1002. Deadline for the June Agora is **May 15, 1991**.

THE CHANCELLOR PATERSON LIBRARY

Spring Session - May 1 to June 15

Monday - Thursday

8:00 a.m. to 10:30 p.m.

Friday 8:00 a.m. to 9:00 p.m.

Saturday 11:00 a.m. to 5:00 p.m.

Sunday 1:00 p.m. to 9:00 p.m.

Victoria Day Weekend:

Saturday 18 - 11:00 p.m. to 5:00 p.m.

Sunday 19 1:00 p.m. to 9:00 p.m.

Monday 20 9:00 a.m. to 5:00 p.m.

MAY

Thursday, 16 - Sunday, 9

**Hildegard Whittle-Pflug
Regional Artists Series**

Organized by the

Thunder Bay Art Gallery

Opening reception,

Thursday, May 16, 8:00 p.m.

Meet Hildegard Whittle-Pflug at this opening of her exhibition

Saturday, 25

Trash and Treasure - A Giant Yard Sale
Thunder Bay Art Gallery - 10:00 a.m. to 4:00 p.m.

In the adjacent parking lot on the Confederation College Campus

Friday, 31

Annual Alumni Golf Tournament and Supper

For all alumni and guests

Centennial Golf Course - 5:00 pm

Tickets \$35

Register before May 24 - 343-8155

**Friday, 24 to
Sunday June 23**

Thunder Bay Art Gallery

Organized by FUSION

Major exhibition of finest contemporary Canadian work in clay and glass

Fireworks Weekend:

Saturday, June 15 and

Sunday, June 16

Regional potters will present a weekend display of their work, emphasizing techniques



Convocation Eve

On Friday, May 24 the Alumni Association welcomes all 1991 graduating students, their families and friends to attend Convocation Eve on Friday, May 24 in the Faculty Lounge at 8:30 p.m. Convocation Eve is an informal reception designed to give the graduating class an opportunity to meet the 1991 Honorary Degree Recipients, faculty, staff, as well as other members of the Alumni Association. Join us for an evening of fun before the big day!

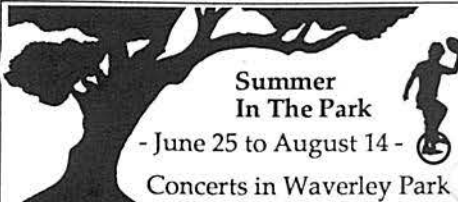
Volunteer Marshalls

The Alumni Association still needs a few alumni volunteers to marshall graduands during the annual convocation ceremonies on Saturday, May 25, 1991, at the Thunder Bay Community Auditorium. If you are interested, call Alumni House at (807) 343-8155.

Alumni Scholarship

Each year the Alumni Association awards a \$5,000 scholarship to an outstanding student entering the first year of an undergraduate degree or diploma program at Lakehead University. Selection is based on the student's leadership ability, community involvement and academic standing during high school years. The deadline for applications is May 31, 1991, and copies of the application form are available at the Office of Alumni Services and at local and district high schools.

Share
OUR NORTHERN VISION



**Summer
In The Park**
- June 25 to August 14 -

Concerts in Waverley Park
- North Downtown area

Begin at 6:30 p.m. to 9:00 p.m.
Sunday concerts from 1:00 p.m. to 3:30 p.m.

For more information call the
Thunder Bay Parks and Recreation
Department at 625-2419

Concert Dates:
Tuesday June 25 - Opening Concert
Wednesday, July 3
Wednesday, July 10
Sunday, July 14
Tuesday, July 23 - Teddy Bear's Picnic
Wednesday, July 24
Sunday, July 28
Wednesday, July 31
Wednesday, August 7
Sunday, August 11 - Country & Western Day
Wednesday, August 14 - Closing Concert

Agora

The AGORA is produced by the Information Office, Department of External Relations, Lakehead University, 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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219