



Agora

Thunder Bay, Ontario, Canada
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A NEWSLETTER FOR LAKEHEAD UNIVERSITY STAFF & FACULTY

Lakehead's OSOTF Campaign tops \$3.1 Million



On Easter Monday, donors were lining up outside Senior Development Officer Jo-Anne Silverman's office to make sure their contributions were received before the deadline closed on March 31, 1997.

As a result, Lakehead University finished the Ontario Student Opportunity Trust Fund (OSOTF) campaign at a remarkable total of \$3.125 million.

When these funds are matched dollar for dollar according to the terms of the OSOTF program announced last September by the Government of Ontario, Lakehead will have a grand total of \$6.25 million to endow for student financial aid.

"Having additional dollars to spend on bursaries will mean that many more deserving students will have the chance to complete their university education in Thunder Bay," says Director of Student Services and Community Relations Joy Himmelman.

"Many people don't realize that about half of Lakehead's students are on OSAP and last year borrowed a total of \$21 million to finance their education. With increases in tuition and the cost of living, the need for financial assistance is pressing now and will likely become even more urgent in the future."

One-hundred and eighty-five new named endowments created during the campaign will provide for the establishment of over 500 new bursaries.

Leadership gifts were received from many individuals and groups including The City of Thunder Bay, the Lakehead University "family" (Board of Governors, faculty, staff, students and alumni), William Merz, The John Andrews Foundation, Metis Nation of Ontario, Medical Services Branch, Health Canada, and N.M. Paterson Foundation.

The tremendously dedicated volunteer committee responsible for the LU-OSOTF campaign's success was led by co-chairs Fred Poulter and Al Becker and comprised of Don Ayre, Richard Buset, Doug Heikkinen, Bob Edwards, Tom Jones, Moe Kytör, Joe Logozzo, Dr. Richard MacGillivray, LaRea Moody, Jack Playford, Bev Stefureak, Chris Straka, and Adrian Mirabelli.

Other people who demonstrated great leadership and initiative during the eight-month campaign were the President of Lakehead Dr. Bob Rosehart and faculty members Dr. Rao Puttagunta, Dr. Inderjit Nirdosh and Dr. Robert Dilley. — Frances Harding



Jan Mason won the grand prize of the LU-OSOTF Raffle, a year's free tuition which will be used by her son James.

New Research Publication Launched

In this issue we have launched "Quest" -- a four-page publication highlighting research and scholarly activity at Lakehead University.

"Given the recent government cutbacks to research funding, it is vital that we as a University make a concerted effort to communicate the benefits of research to society," says Lakehead's Research Officer Anne Klymenko.

"Quest" will be published twice a year and distributed by the Office of Graduate Studies and Research to over 500 people in education, industry, government and the media.

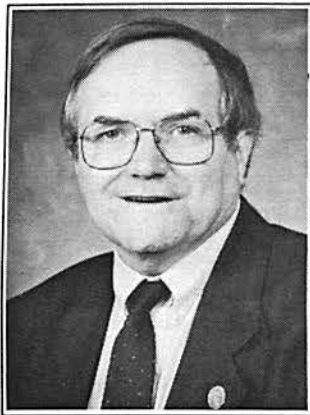
The first issue will focus on Lakehead's relationship with industry.

The second issue will focus on Lakehead's contributions to the Arts and Social Sciences.

For more information contact:

Anne Klymenko at 343-8223.

INSIDE
Collaborative
Graduate
Program in
Women's
Studies
Approved
...details on
page 7



*Dr. Robert G. Rosehart
President, Lakehead University*

CONGRATULATIONS TO CHRIS FERNYC

Congratulations to Chris Fernyc, a graduating student in Business, who finished second overall in the national TD Green Line Investment Challenge. Chris finished the three-month challenge with a portfolio valued at \$787,300 -- a 58% return on his original \$500,000! Chris will receive a \$1,000 cash prize and will also receive national press coverage for his achievement. TD offers a challenge for professional portfolio managers as well as for university, college and high school students. Once again, congratulations Chris.

LU-OSOTF FINALS

The final totals are in, and Lakehead University raised \$3.125 million during the pledge period. When matched by the Ontario Government, this will provide over \$6 million additional dollars to our bursary endowment. All income on this fund has to be used for student awards, and no administrative levy can be charged. Our students are the big winners.

LU-OSOTF was a team effort co-chaired by Fred Poulter and the Royal Bank's Al Becker. Many, many people worked long and hard on the campaign, but I think we need to single out Jo-Anne Silverman for special recognition. Jo-Anne kept us all on our toes and focussed on the objective right from day one. On the final day (an official Lakehead University holiday), Avila was abuzz with activity and over \$157,000 was brought in. Rumour has it that Jo-Anne finally went home about 7:00 p.m. On behalf of all of the University community and especially our future students, thank you Jo-Anne for your untiring efforts.

PUBLIC SECTOR SALARY DISCLOSURE

Once again, all public institutions responded to the Finance Ministry and the entire provincial data set, including Lakehead University, is at the following Web Site: www.gov.on.ca/fin/ under Documents.

STAFF CONTRIBUTION TO STUDENT LIFE AWARDS

The Lakehead University Student Union and Lakehead University worked together this year to establish the above awards. These awards will be given annually to six LUSU or LU staff members who have been nominated by individual groups of students for their high level of commitment to the improvement of student life within our University Community.

The inaugural winners are:

Pam Meady, Outpost General Manager

Sandi Covino, Co-ordinator/Nurse, Health Unit

Norma Jean Newbold, Residence Life Co-ordinator

Donna Grau, Special Needs, Learning Assistance Centre

Rodney Swatton, Outdoor Recreation, Parks and Tourism Technician

Karen Woychysyn, Secretary, Sociology and Political Science

Congratulations to all!

GOVERNMENT RELATIONS NSERC/SSHRC

The results of the annual NSERC and SSHRC awards are in, and they are encouraging, but limited primarily because of granting agency cutbacks. On the NSERC side, a total of \$721,780 in operating grants was awarded, and one capital equipment grant was awarded to Dr. Gallagher in Physics for almost \$47,000.

On the SSHRC side, Dr. r Scott Hamilton was successful as part of a team from another university, and three researchers had their projects recommended for funding but, alas, no funds. (However, this may change as the SSHRC fiscal year moves along.)

With increased provincial emphasis on Research Infrastructure (ROIE) funding tied to granting council performance, it is important that we work hard to get more applications into the competitions. Being successful is great, but making an application is a great first step. In this regard, Anne Klymenko of the Office of Graduate Studies and Research is available as a "help" centre. The success rate of working with faculty applications, particularly new ones, has been quite high.

While Lakehead University has demonstrated modest growth in the success rate with NSERC and SSHRC in the operating grant competitions, the changes in the federal granting councils' policies in recent years requires that Lakehead researchers put more effort into strategic, collaborative and industrial grant competitions in order for us to maximize our Ontario Research infrastructure grants. Our relationships with potential research private sector partners has been enhanced by the efforts of the Office of the Dean of Graduate Studies and Research to develop the Lakehead University Centre for Analytical Services. LUCAS is an organization within the University that promotes the research interests of our faculty by providing alternative sources of funding for equipment and technicians while providing access to the University's analytical testing facilities. Income generation to date has been modest but very important in a time of restraint.

Ontario Operating Grants

On Friday, April 4, we received the details on the specific Lakehead University allocation for the 1997/98 fiscal year. More funding (about \$4.4 million for the system) was re-distributed to Research Infrastructure and by the formula calculation based on our share of the NSERC and SSHRC/MRC funding, this cost Lakehead University about \$50,000. On a positive side, the off-campus extra formula grant, which was to end this year, was rolled into our composite northern grant based on a five-year average. Furthermore, on the negative side, the continued phase-out of the visa tuition fee pool will cost us about \$150,000 for the year. The aggregate of these changes is that we will, in fact, be either at or slightly above last year's grant level. So, for once, a freeze is really a freeze. With the above information, we can now complete our budget and take it forward to the Board of Governors for approval.

CONGRATULATIONS TO LEIGH FAIRBROTHER

Leigh Fairbrother, a year IV HBScN student at Lakehead University, recently competed and received honourable mention in the annual Monique Begin Advanced Nursing Award Competition at a national meeting held in Fredericton, New Brunswick.

ENROLMENT MANAGEMENT GROUP

The ideas keep coming and our short-term efforts, both on retention and recruitment, are beginning to take shape. This is a significant task and is raising many questions about the focus of our current services, procedures and program delivery. In a future *Agora*, I will ask Kerrie-Lee Clarke to discuss these matters in more detail.

CLASSES OVER!

Another year of classes has rushed by and the exam season is upon us. Soon (?) the ice on Lake Tamblyn will be gone and May graduation will be here once again.

SCHOLARS AND DONORS RECEPTION



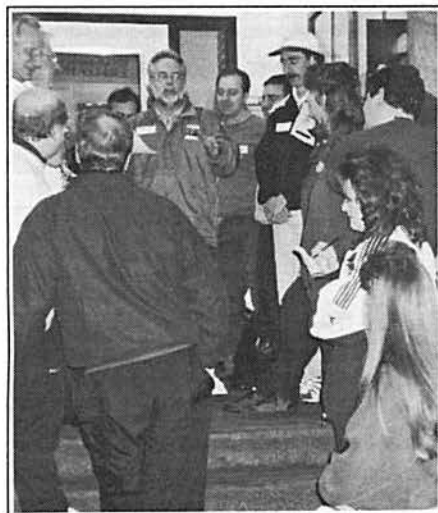
More than 225 guests attended Lakehead's Annual Donors Reception on March 20 including undergraduate and graduate student ambassadors (left to right): Faizal Moola, Jon Ogden, Tigist Abebe, Lindsay McLeod, Krista Mulholland, Shawn Forbes, Tanya Spencer, Jarron Childs, Colleen Miller and Greg Rhyno. Since 1990, Lakehead has raised over \$4.5 million in donor-funded scholarships, bursaries and awards.

Professor Richard Glew from the Faculty of Business Administration gave a presentation on how systems skills are being acquired by Lakehead students. The musical interlude was provided by two Music students: Allison Colossimo (vocalist) and her accompanist Julie Parent (pianist).

ALUMNI CURLING FUNSPIEL

Good Food... Good Friends...

Good Times!



Chair of the event Ken Sundell addresses some of the team skips prior to the Funspiel. The annual event held in March attracted 128 curlers and raised \$3,700 towards the LU-OSOTF. Thanks to all the participants, prize donors and sponsors.



Janice Pellizzari, Katherine Shedden, Irwin Smith and Joan Gerow.



Walter Flasz and Roma Kopechanski each won a 15-lb. turkey in the Country Good Meats Turkey Draw.

Get Your Whiskey Jacks Tickets!

Alumni Services is now selling 12 ticket coupon books for the Thunder Bay Whiskey Jacks!

For \$40 (almost 50% off gate price) you receive 12 general admission tickets which can then be upgraded to reserved seats for only \$2.00 per ticket.

As an added bonus, because Lakehead University is a member of the Chamber of Commerce, if you purchase 5 books, you receive one FREE!!! What a deal! That works out to only \$2.78 per general admission ticket! PLUS, \$5.00 from every book sold on campus will go towards the Student Opportunity Trust Fund!

Call the Alumni Services Office at 343-8155 for more information. Hurry...supplies are limited. First come, first serve.

CONGRATULATIONS TO ALL THE WINNERS OF THE OSOTF RAFFLE

Jan Mason:	1997-1998 Tuition for Lakehead University
Margaret Page:	Kona Mountain Bike
D. Merchant:	Ostrom Outdoors custom-made backpack
Athena Tsekouras:	Nostalgia Cooler from Coca Cola
Dave McGowan:	Dinner for two and return limo ride to the Unicorn Inn
Ryan Frazer:	Dinner for two from the Valhalla Inn
Shaun MacLellan:	Evening's Accommodation at the White Fox Inn
Stacey Lehtinen:	Free Internet Access for one year from Campus Tech
Anthony Chan:	Weekend Car Rental from Enterprise Rental
Stacey Lehtinen:	Turbo Mountain Bike
Barbara Chapman:	An autographed Melissa Etheridge CD
Mike Armstrong:	Two wills or powers of attorney from Buset & Partners

HSSFC WEB SITE

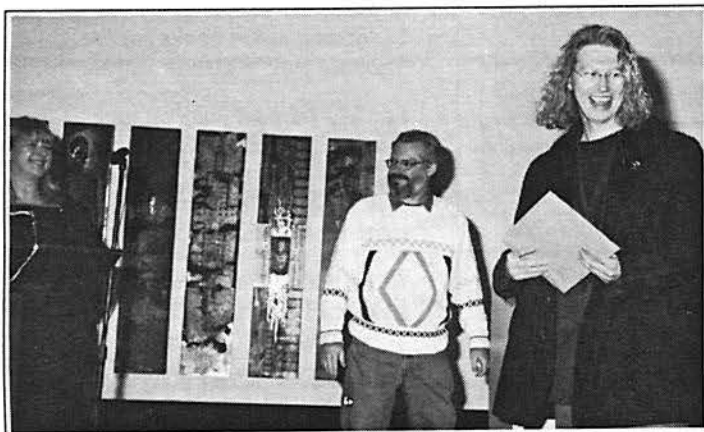
The Web site address for the Humanities and Social Sciences Federation of Canada is: <http://www.hssfc.ca>

The E-mail address is: fedcan@hssfc.ca

THUNDER BAY DAY OF ACTION

Lakehead University Student Union and the Canadian Federation of Students Local 32 are planning a Thunder Bay Day of Action on Monday, April 28, 1997. Activities begin at 7:00 a.m. and culminate in an Education Rally from 4:00 p.m. to 6:00 p.m. at the Labour Centre. For more information contact Chris Straka at 343-8259.

VISUAL ARTS AWARDS



David Karasiewicz won the People's Choice Award and the Arne and Marg Westlake Visual Arts Award for his painting *Husha Husha we all fall down* (shown in the background) at the Lakehead Student Juried Exhibition at the Thunder Bay Art Gallery.

Other Visual Arts students who won awards and prizes were Katya Arvila, Heather Wilson, Sergio Pasciullo, Dave Routledge, Rita Zavagnin, Robin Walton, Andrew Hain, Steven Diana, Michelle Baril, Loretta Sheshiquin, Monica Belluz, Dana Bjorgo, Marlene Peltoniemi, Jessica Spring, Rafaela Gollek, Don Scarcello, Catherine Conroy, Paul Saari, and Lily Ciddio.

LIBRARY RENOVATION NEWS

The Chancellor Paterson Library Renovations are tentatively scheduled to start May 5, 1997, and will end sometime in August, 1997. During the month of May, and possibly extending into June, these moves are scheduled:

1. Current issues of periodicals will be integrated with back issues of periodicals until the Summer of 1998.
2. The Third Floor will be closed beginning May 5, 1997. (Books have already been relocated to the Ground Floor.)
3. Staff areas will be temporarily relocated during the month of May:

-- Bibliographic Processing Staff will be relocated to the Library and Information Studies lab on the Ground Floor and are accessible via the tunnel.

-- The Interim Chief Librarian and Secretary will move to the Main Floor of the Library, Rooms 1001A and 1001B (down the hall from the Circulation Desk)

-- Archives staff will move to the Main Floor of the Library, Room 1001C.

-- Northern Studies Resource Centre staff will move to the Reference Office on the Main Floor, Room 1004A.

4. A number of collections will not be accessible to faculty and students during the month of May. Library staff will be available to retrieve books as requested by faculty and students. These collections include:

- Northern Studies Resource Centre (all collections)
- Archives/Special Collections
- Circulating Books M to Z on Fourth Floor

More information about the retrieval of books will be available as arrangements are made.

Watch for Library Renovation News also on the Library's Web Page, and as posted on the Library Announcement Board near the Library's entrance.

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QUEST

RESEARCH AND SCHOLARLY ACTIVITY AT LAKEHEAD UNIVERSITY

Lakehead University
Thunder Bay, Ontario, Canada
April 1997, Vol. 1, No. 1

Working in Partnership with Industry

by Paul Jasen

Research has always been a primary function of Canadian universities, but such work has suffered in recent years with each cut to education spending. Universities have, therefore, been required to seek out alternate sources of revenue in order to maintain their role within the research community. At Lakehead University, there has been a concerted effort to build relationships with industry, in recognition of that sector's need for custom tailored scientific research and testing. Clients have included Abitibi-Price Inc., Noranda Inc., Placer Dome Inc., Barrick Gold Corp. and Avenor Inc., to name a few. Apart from the obvious academic benefits offered by this sort of research field experience, work of this nature carries the added benefit of supplying the University

with some of the funds it needs to promote both basic and applied research. Lakehead faculty and staff, whether functioning as part of an organized body or working individually, have done much to these ends, achieving impressive results.

Under the acronym LUCAS, the Lakehead University Centre for Analytical Services functions as the primary organization through which staff and faculty interact with industry. Operating out of the University Instrumentation Laboratory (UIL) under the directorship of Allan MacKenzie, LUCAS is an umbrella organization providing a central contact point for businesses requiring the services of its member laboratories. Apart from the external services of the Instrumentation Lab, the

Centre offers access to the Aquatic Toxicology Research Centre (ATRC), the Lakehead University Environmental Laboratory, the Lakehead University Paleo-DNA Laboratory, and the Forest Soils Laboratory. Membership in LUCAS requires the agreement of the researchers involved to share their staff as well as the use of their own analytical equipment.

(continued on page 2)

Karen Maa

An Opportunity For Renewal

**The Canada
Foundation for
Innovation**



**by Dr. C.H. Nelson
Dean of Graduate
Studies and
Research**

The importance of the research role of universities has been strengthened by the recent announcement of the federal government to invest \$800 million over the next five years in the Canada Foundation for Innovation.

Funds have been set aside for renewal of the capacity of universities

-- to engage in knowledge creation,

-- to attract and retain highly qualified researchers and

-- to insure that our students are well trained in state-of-the-art technologies and in the application of these technologies.

(continued on page 4)



Profiting From New Ideas

Thanks to a \$150,000 grant from the Natural Sciences and Engineering Research Council (NSERC), Lakehead University is putting into place a comprehensive Intellectual Property Management program.

"The intent of the program is to take ideas, inventions and processes that come out of both applied research and basic research and commercialize them wherever possible," says Technology Transfer Analyst Ray Rivard.

Lakehead has recognized the need to review policy issues related to intellectual property and technology transfer and has begun doing so this year. Rivard reports there are at least two ideas or products from Lakehead University currently under the patent process, the next step being the management of these products or ideas. Not all of the research being done at Lakehead will result in commercially viable ideas or products, but even if a small percentage did, the results would be tremendous!

"We see the Intellectual Property Management program as a means to fast-track the process of getting research knowledge out to those people who can use it," says Lakehead's Dean of Graduate Studies and Research Dr. Connie Nelson.



"Lakehead has a unique, centralized Instrumentation Lab enabling it to maintain state-of-the-art research equipment that is accessible to the broader community."

— Dr. Robert G. Rosehart, President, Lakehead University



Ain Raitsakas

The Centre was founded by the Dean of Graduate Studies and Research Dr. Connie Nelson, in response to requests from industry that Lakehead's involvement in analytical services be rationalized through the establishment of an integrated administrative framework. Better cooperation and communication between the labs could thus be achieved and amenities such as a central invoicing system could be offered to clients. The benefits for all parties involved are many. Businesses can enjoy the fruits of innovative research and laboratory services catered to their own particular needs, better enabling them to maintain appropriate standards and develop cleaner, more efficient operations. Apart from the obvious

prestige that this work carries, it also brings much needed revenue to the University.

For Lakehead students and faculty, this influx of external money translates into much needed educational and research resources, filling at least a part of the void left by cuts in funding. First and foremost, the role of the largely self-sustaining LUCAS project is to support research at Lakehead by putting the money from external work back into the University and helping the institution fulfil its mandate to provide research support to the region.

For instance, the Lakehead University Environmental Lab, a LUCAS-related project overseen by Biology professor Dr. Peter Lee, has done

valuable work for the Centre for Northern Forest Ecosystem Research, Avenor Inc. and Placer Dome, among others. As head of the University's Soils Group, Dr. Lee has been instrumental in developing testing methods suited to the needs of LUCAS clients. He has also given students the opportunity to learn marketable skills by assisting in various aspects of his industry-related work. Furthermore, thanks to the ties forged between Lakehead and Placer Dome, three graduate students will be sponsored by that company to conduct environmental assessment work.

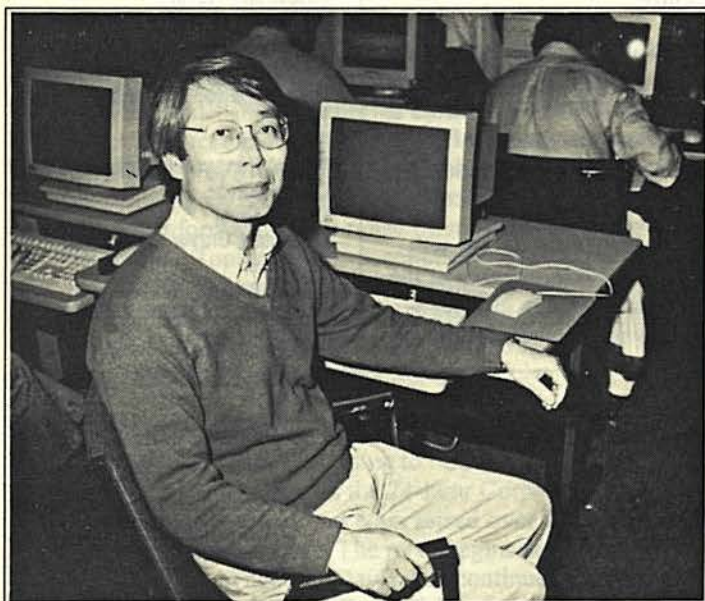
Researchers functioning outside of the LUCAS circuit have also achieved notable successes in various projects involving the industrial sector, working either individually or through parallel research networks. Dr. Allan Gilbert, Chair of the Lakehead University Department of Chemical Engineering, is one such example. Via membership in the Mechanical and Chemimechanical Wood Pulp Network, funded by the Federal Government through its Networks of Centres of Excellence, Gilbert and several colleagues from the departments of Chemistry and Engineering have spent several years working with Avenor Inc. assisting the company in fine-tuning its Thunder Bay and Dryden operations. Gilbert's involvement has focused on the employment of spectrophotometric technology in the form of optical

sensors which could be used to monitor the mill's bleaching and recycling processes at various stages. Apart from helping Avenor become cleaner and more efficient, Gilbert's work has also given a number of Lakehead University graduate students a valuable opportunity to, as he puts it, "test out ideas in a live setting."

A little further from home, Dr. Minoru Hasegawa of the Lakehead University Department of Computer Science recently designed and built a customized computer network for a Japanese health food company. The project arose while Hasegawa was conducting sabbatical work at Waseda University in Tokyo during the 1995/96 academic year. It was during this time that he discovered the surprisingly under-developed state of computer networking at both Waseda University and throughout the country in general. Purely upon his own initiative, Hasegawa chose the medium-sized health food firm as his working model and revolutionized its computer system. With the addition

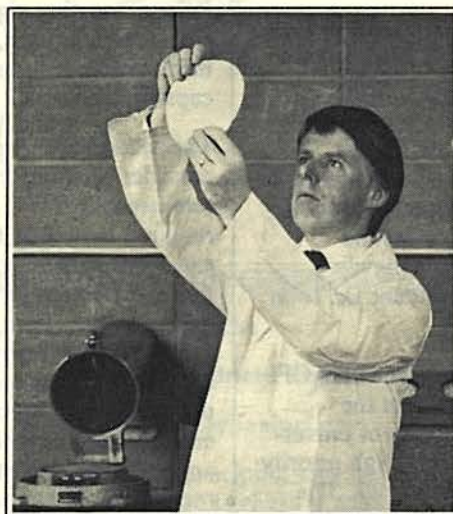
of just two slightly outdated PCs to the two already in use, he was able to increase the company's computing power exponentially. This was achieved with some retooling and reconfiguring of the hardware, and the development of a strong central database, capable of keeping evolving customer profiles as well as performing detailed accounting and inventory tasks. Thanks to Minoru Hasegawa's volunteered work, the company can now serve both its customers and itself more effectively.

Clearly, Lakehead University has much to offer in terms of highly marketable research and development skills. Creative and resourceful individuals at every level are continuously proving themselves adept at servicing a wide variety of needs encountered by science and technology-based industries, both regionally and around the globe. In an era of reduced funding to post-secondary educational institutions, Lakehead University is proactively doing all it can to nurture excellence in research.



Dr. Minoru Hasegawa

Improving Quality Control



Dr. Allan Gilbert

During his years of involvement with Avenor Inc., Dr. Allan Gilbert's primary interest has been with the company's de-inking and recycling systems. Specifically, his work has been focused on the development of a means by which spectrophotometric sensors might be used to monitor these processes at each stage, in order to ensure proper and efficient functioning of the systems.

The spectrophotometric process involves beaming a ray of light into a substance, a de-inking cell for instance, and measuring the amount of light reflected back at the sensor, thus determining how much ink has left the substance and how much remains.

With one such reflective sensor at each of the six de-inking cells in the series, mill technicians would be far better equipped to make adjustments as soon as a problem should arise. If a cell's contents were too light, the amount of bleach and detergent could be reduced and money would be saved. Too dark, then the laundering cocktail -- a mix of soap, sodium hydroxide and peroxide -- would be increased and quality control maintained.

Through Allan Gilbert's dedication to innovative solutions for industry, Avenor will be better equipped to navigate that fine line between maximized profits and a top grade product. His work with the company has also created the opportunity for a number of Lakehead students to work directly inside the mill, thereby acquiring the sort of indispensable field experience that no laboratory can reproduce.

An Opportunity For Renewal by Dr. C.H. Nelson (continued from page 1)

The Canada Foundation for Innovation (CFI), an independent, non-profit corporation that is to operate at arms length from the federal government, is responsible for awarding research infrastructure projects under the leadership of the newly appointed President Dr. John Evans.

The establishment of the CFI clearly signals that the enhanced capacity of university research is a high priority on the federal agenda. The similar messages articulated by the Association of Universities and Colleges of Canada (AUCC) and the Council of Ontario Universities (COU) in the Smith Report of the *Advisory Panel on Future Directions in Post-secondary Education* has been heard and acted upon: the critical state of research infrastructure is a major obstacle to research productivity.

The CFI opportunity presents several challenges to the research community at Lakehead University if we are to be successful in our bid to secure a portion of these funds. The first challenge is to consider the selection criteria. A February 18, 1997, publication *Building the Future for Canadians BUDGET 1997: Canada Foundation for Innovation* highlights that selection will follow a peer review process which considers the quality of the research and the project's potential to strengthen research personnel, attract and retain excellent researchers, and contribute to Canada's economic development.

Proposals are to focus on key areas in health, environment, science and engineering. Eligible expenditures include

state-of-the-art equipment, the development and upgrading of laboratories including installations, creating significant research data bases, and information-processing capabilities.

The second challenge is to consider research infrastructure needs that will attract the required matching funds that can be generated by universities and through private sector partnerships. Thus, the Lakehead University research community must consider developing a proposal that enhances our capacity in an area of strength that also meets partnership needs for basic and applied research.

The third challenge is to consider collaboration with other universities that can "promote national objectives in a regionally sensitive way" (p.14).

The CFI President has indicated that he is expecting applications from a consortia of researchers and that he believes that this is a good mechanism to allow the successful participation of small universities. The fourth challenge is to develop a proposal that has long term sustainability as CFI funds cannot be used for operating costs of research such as salaries and ongoing equipment maintenance.

Our ultimate challenge is thus to be open and flexible to innovative ways so that we can successfully position ourselves to take advantage of enhancing our research

capacity through this new federal initiative.

I welcome and look forward to discussing any initiatives that are of interest to researchers that have realistic potential to be successful. The expectation is that priority fund-raising activities will be initiated to support feasible projects. It is anticipated that participating faculty would be integral members of project specific fundraising. Although CFI is still in the start-up stage, there is some expectation that proposals will be requested by early fall. This would most likely see approved projects starting in spring of 1998.

Business Education Initiatives that Work

Lakehead's Native Access Program for Engineering (NAPE) has won two prestigious national awards: the Canada Post Corporation Post-Secondary Award and the Partnership Focus Award given by The Conference Board of Canada's National Business and Education Centre.

The Native Access Program for Engineering was established in 1992 as a measure to overcome the paucity of technologists and engineers of Native descent.

The Lakehead program will be honoured in Calgary at the National Partners in Education Awards ceremony in May.

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Quest is published by the Department of Student Services and Community Relations in conjunction with the Office of Graduate Studies and Research.

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Al Smith
Environmental Laboratory:

Dr. Peter Lee
Forest Soils Laboratory

Dr. Len Meyer
Paleo-DNA Laboratory

Dr. El Molto/Dr. Ryan Parr
Innovation North:

Doug Stone
Technology Transfer Analyst:

Ray Rivard
Lake Superior Binational Forum:

Barb Nicol
Boreal Ecosystem Science Cooperative:

Dianne Miller
Lakehead University Sports Institute:

Dr. Moira McPherson
Occupational Health & Safety:

Ina Chomyshyn



Happy Trails

Lakehead bids a fond farewell to two staff members who are leaving at the end of April. International student advisor **Miriam Lappala** is leaving Thunder Bay with her husband who has decided to pursue a Master's degree in Theology at the University of Toronto. Lappala is hoping to find employment at a college or a university or with a refugee settlement program. **Raymond Neckoway**, a Counsellor in Native Support Services, is taking on a new job as a Family Counsellor with Dilico Ojibway Child and Family Services on the Fort William Reserve. In his new job he will be providing marital counselling and advice on parenting skills.

LUSU Executive

Congratulations to the newly-elected LUSU executive: President **Mike Blower**, Vice President (Student Issues) **Shawna Hickey** and Vice President (Finance) **Justin Tawil** who will begin their full-time positions on May 1, 1997. All three of the 1996-97 LUSU executives, **Chris Straka**, **Julie Miller** and **Adrian Mirabelli**, will resume their studies in the fall.

Lakehead Calendar

Students wishing to get a headstart choosing their courses this year will be pleased to know the 1997-98 Lakehead University calendar is now available at the Registrar's Office, although information about tuition fees will not be available until the University's budget is approved.

Working under the direction of Registrar **Pentti Paularinne**, Calendar/Graduate Admissions Officer **Margaret Anderson** and others in the Registrar's Office made a concerted effort to get the Calendar out earlier than usual this year.

A New Manager

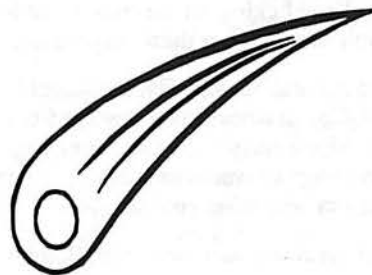
Former varsity basketball player **Jo-Anne Maunula** (BAdmin'96) has replaced her classmate **Adam Molai** in the position of Senior Manager of the Lakehead University Management Consulting Service. Since taking up the position at the end of February, Maunula has been working on the old accounts to clear the way for future projects. You can find her in Room 1016 of the Ryan Building or call her at 343-8660.

Recruiting International Students

International Host Parent **Katherine Shedden** of the Registrar's Office has produced a newsletter designed to answer questions that international students might have about living in Thunder Bay and studying at Lakehead. In the 12-page newsletter, Shedden has included information on a range of subjects that many of us take for granted. Topics include accommodation, food, shopping, jobs, weather, winter clothing, and travelling to the United States. Written in collaboration with staff, students and alumni, Shedden says the newsletter was a "pilot project" which she hopes will fill a need in Lakehead's recruitment efforts.

Shelter House 24-hour Corporate Relay: May 31

Sutha Vinayagamoorthy is hoping to find a minimum of 16 participants willing to take part in the 24-hour Corporate Relay next month. Last year the Lakehead team raised over \$2000 in aid of Thunder Bay's Shelter House. The relay begins at 10 a.m. on Saturday May 31 (Convocation Day!) and continues until 10 a.m. Sunday. If you are available and would like to join the fun, speak to Sutha at the Lakehead Alumni Bookstore.



RECRUITING IN CYBERSPACE

via the

National Graduate Register

<http://ngr.schoolnet.ca>

An Internet tool that is helping employers around the world connect with Lakehead graduates is having an impact on the Student Placement and Co-operative Education Centre.

"The National Graduate Register (NGR), officially launched at the University of Ottawa on January 13, 1997, has made an amazing difference in the recruitment process," says Director Moe Ktytor. "To date we have over 600 student resumes in the NGR. Up to 10 new students add their resumes to the NGR every day."

The National Graduate Register has effectively guided the Lakehead University Student Placement & Co-operative Education Centre into the electronic age. Resumes which once filled entire cabinets are now stored in the NGR electronic database. Staff members can easily access select resumes to respond to employer requests.

A company without Internet access may call with an urgent request for graduates e.g. Forestry. Where once staff might have scrambled to respond to the request, now they have only to perform an electronic search in the NGR on behalf of the employer, screening the profiles to ensure they meet the employer's specifications before they are sent. Employer requests received by fax or phone at Lakehead are now met primarily with NGR profiles. While traditional resumes are still given equal consideration, these will be phased out over time in favour of NGR profiles.

In response to concerns that an electronic service such as the NGR might threaten campus career centres, Ktytor says: "The NGR will not only ensure the Centre's survival, it will continue to enhance the services we are able to offer our students."

This article is based on a story by Elisabeth Gebhardt entitled "Lakehead University: Ahead of the Game" published in the spring, 1997 issue of The Node, NGR News.

WORLD WIDE WEB SEARCH TIPS

Searching the World Wide Web is possible through the use of web Search Engines. Search Engines can be accessed by clicking on the **Netsearch** button while in Netscape. Before you begin searching you should keep these important points in mind:

1. There is no standard subject heading list for searching the pages of the World Wide Web. These search engines perform basic keyword searches. So, it is important to find all possible words that represent your topic. Find any synonyms, broader terms, narrower terms, variant spellings or words in other languages (if applicable). You may need to use all of these words to find what you are looking for.
2. Choose the most unique word for searching. Combine it with another term to narrow your search results.
3. Watch your spelling. (For example "behaviour, behavior" or "light houses, light-houses")
4. Pay attention to the different features of your search engines. Each search engine is unique. The table below indicates some of these differences.
5. Record some words from results you've already received and use those words in another search.
6. If you are not happy with your results try your search in another engine. Not all search engines search the same pages of the Web.

A COMPARISON OF FIVE POPULAR SEARCH ENGINES

	LYCOS	WEBCRAWLER	EXCITE	YAHOO	INFOSEEK
SIZE OF DATABASE -SPECIAL AREAS SEARCHED	-91% of WWW -19 million pgs -sounds -pictures -sites by subject	-smaller database	-50 million + sites -U.S. phone #s and e-mail addresses -newstracker -newsgroups	-80,000 entries -U.S. e-mail addresses -newsgroups -sites by subject	-1 million pages
PART OF WEB PAGE SEARCHED	-document title -links on page -keywords	-titles -content of page	-whole page	-whole page can restrict to link, title and url	-whole page, but can restrict search to link, url, title
CASE SENSITIVE	NO	NO	YES	NO	YES
TRUNCATION (Lets you search using part of a word, i.e. garden\$ picks up garden, gardens, gardening...)	-use a dollar sign (\$) at end of word -use a period for exact word searching	NO	NO	YES use an asterisk at the end of the word	NO
RELEVANCY RANKING (Indicates how relevant the page is to your search terms -- usually given as a percentage)	-determined by the number of times a word appears on a page and position on page	-determined by the number of times word appears divided by the total number of words on page	-no explanation given -relevancy is automatically generated by the search engine	NO	-determined by how many times a word appears on a page

NEWEST CD-ROM IN LIBRARY CONTAINS CANADIAN ECONOMIC AND SOCIAL DATA

Try **SABAL**, the latest CD-ROM in the Library from the Data Liberation Initiative! The Small Area Business and Labour Database (SABAL) combines a wide variety of Canadian economic and social statistics for 140 urban areas and 72 economic regions. Among the economic and business data sources are the Consumer Price Index, the Business Small Area File, retail trade, building permits, housing starts, survey of manufacturing, motor vehicle registrations and tourism. Social sources include the Census of Population, Labour Force Survey, Consumer Finances Survey, family expenditures, justice, education, training and population projections. For further information, ask at the Information Desk in The Chancellor Paterson Library.

Looking for Canadian Information?

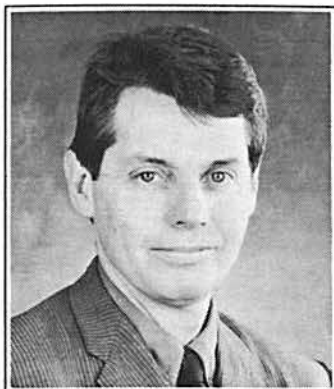
Canadian Information by Subject
<http://www.nlc-bnc.ca/caninfo/ecaninfo.htm>

**MAPLE SQUARE:
A CANADIAN SEARCH ENGINE**
<http://maplesquare.sympatico.ca>

CANADA411
<http://canada411.sympatico.ca/>

CANADIAN E-MAIL WHITE PAGES
<http://whitepages.canadas.net/>

Keep an eye on the
Library's Home
Page for New Links
and Developments!



RONALD N. HARPELLE

Department of History

Dr. Ronald Harpelle specializes in the cultural frontier between Latin America and the English-speaking Caribbean. His research focuses on the West Indian diaspora. Harpelle received his BA and MA at the University of Manitoba and, in 1992, his PhD from the University of Toronto.

Harpelle joined the Department of History last September. He has a background in Modern African and Latin American history and is a long-time editor with a national magazine. He has recently submitted a manuscript on West Indian immigration and settlement in Costa Rica to a publisher in the United States and is now working on a book on the British West Indian experience in Central America.

Harpelle is also an investigator with the Prairie Centre of Excellence for Research on Immigration and Integration and a member of the Lakehead Social History Institute. In addition to his ongoing research, Harpelle has been working to develop academic links between Lakehead University and two institutions in Cuba. He has family ties to Thunder Bay and appreciates all that the region has to offer.

FACULTY EXCHANGE OPPORTUNITIES

The National University of Singapore and Nanyang Technological University of Singapore have both indicated a desire to explore faculty exchanges. Lakehead is proceeding to a bilateral agreement with the latter in the near future. Faculty members who are interested in pursuing a research/teaching exchange in Singapore are invited to request from Bev Stefureak (ext. 8614) the Directory of Research (1996/97) for each of these institutions.

GRADUATE PROGRAM IN WOMEN'S STUDIES APPROVED

Seven years after the undergraduate program in Women's Studies was established, Lakehead is celebrating the start of a collaborative program at the MA/MEd/MSW level.

The Master's program allows students to combine advanced disciplinary research with feminist scholarship from the interdisciplinary field of Women's Studies. It is especially designed for students in the participating units -- Education, English, History, Psychology, Social Work, Sociology -- who have an interest in Women's Studies.

Students must meet all of the requirements of their home academic unit as well as the Collaborative Program. Upon completion of the program, the degree awarded specifies the discipline of the participating home academic unit and notes the Specialization in Women's Studies.

According to Dean of Graduate Studies and Research Dr. Connie Nelson, there are already six or seven Master's students interested in the collaborative program and she is hoping Lakehead will see its first graduate of the program in May, 1998.

Dr. Helen Smith is the Women's Studies Program Coordinator and **Dr. Peggy Tripp-Knowles** is the Graduate Coordinator.

Core faculty for the collaborative graduate program are: Education: Dr. F. Blaikie, Dr. M.C. Courtland, Dr. J. Epp, Dr. H. Fennell, Dr. M. Ford; English: Dr. A. den Otter, Dr. K. Feddersen, Dr. J. Forbes, Dr. F. Holmes, Dr. J. Lynes; History: Dr. P. Jasen, Dr. H. Smith; Psychology: Dr. J. Tan; Social Work, Prof. M.L. Kelley; Sociology: Dr. R. Nelsen, Prof. P. Wakewich. Adjunct Faculty are: Anthropology: Dr. R. Warkentin; Biology: Dr. P. Tripp-Knowles; Kinesiology: Dr. J. Farrell; Visual Arts: Prof. A. Clarke.

Mission Statement

The Lakehead University Women's Studies Program, at the undergraduate and graduate level, is dedicated to furthering an understanding of the importance of gender as a category of analysis in scholarly inquiry. Through interdisciplinary instruction students will critically assess the extent to which existing models of knowledge reflect women's experience and scholarship and how this experience and scholarship can shape new models.

From the Archives

by Dr. Robert Dilley
Department of Geography

This term marks the 26th anniversary of the Department of Geography as an independent unit. The first Geography component was offered in 1966-67 with the appointment of Ivor Davies as Lecturer in Geography within the Department of History. Over the next few years the Geography section expanded until in January, 1971, it was separated from History as an independent Department with Ivor Davies as its first Chairman.



The photograph above shows the Department as it was in 1971. Back row: Brian Whitfield (sessional lecturer), Ivor Davies, Robert Dilley, David Kemp. Front Row: Brian Phillips, Virginia Taylor, Elizabeth Wear (secretary).

Notably, three members of the 1971 Department are still here, with a combined service at Lakehead of 87 years. Also notable is the fact that the Department has the same number of faculty now as it had then: although we are now without a secretary. In 1971 we had a total of 122 majors, full and part-time. Now we have 358.

ANNUAL GENERAL MEETING

The Alumni Association's Annual General Meeting will be held Thursday, May 8, 1997, starting at 6:00 p.m. in the Faculty Lounge. For information call the Office of Alumni Services at ext. 8155.

CARDBOARD BOATS INVADE LAKEHEAD POOL

Saturday, May 3, 1997

An armada of 12 cardboard boats will slip into the Fieldhouse pool in the second annual Cardboard Boat Challenge on Saturday, May 3. Once again, Lakehead will host about 50 high school contestants who will build their boats in the gymnasium and then race their crafts the length of the pool. As each boat reaches the end of the pool, its lone captain will be joined by teammates to test the weight capacity of the boat.

Dr. Bob Rosehart will again take his place in the Celebrity Race portion of the Challenge, and he hopes to again take first place against competitor Roy Murray, President of Confederation College. The University's boat will be built by Lakehead engineering students while technology students and teachers at Confederation College will construct Murray's craft. Last year's Challenge was great fun and both presidents displayed great sportsmanship.

The contestants work in teams of four. Each team is given a limited supply of cardboard, glue, tape and string from which they must construct a watercraft that will carry one team member the length of the Lakehead pool. The boats are judged by an engineering team lead by Jo Kirchman (retired from Ogilvie's) and two Lakehead engineering professors: Dr. Henri Saliba and Dr. Meilan Lieu. They rate the boats for construction design, speed, and weight; teamwork is also judged. Prizes are donated by local companies.

The Cardboard Boat Challenge is sponsored by Lakehead Occupational Skill Development Inc. together with Skills Canada and is enthusiastically supported by local business and industry. Tom Currie, an Engineer at Superior Trailers, is the Challenge Chair and says, "The Challenge is a reflection of the range of problem solving that happens every day in the workplace. Students are given limited resources with which to build a craft to specifications. They must consider a myriad of factors in their construction including design, water permeability, friction and direction control, buoyancy and displacement, propulsion, principles of structure, strength, and rigidity. They only have about two hours to build the craft and there is no doubt that teamwork plays a major role in the finished product.

... continued

Students and staff along with the general public are invited to attend the event to cheer on their favourite team. Construction begins at 10:00 a.m. and the races begin at 1:30 p.m. See you there! -- *Beatrice E. Metzler, Executive Director, LOSDI*

NORTHERN AND REGIONAL STUDIES COMMITTEE SPEAKER SERIES

1997- 98

The Northern and Regional Studies Committee invites departments and schools at Lakehead University to submit applications for funding to support visiting speakers.

The funds are intended to offset the travel costs of the speakers, with individual departments or schools being responsible for other costs such as advertising on- and off-campus. Applications should include such information as the name of the proposed speaker and topic, relevance to northern and regional studies, and estimated costs.

Please submit proposals to:

Dr. Margaret Johnston
Chair
Northern and Regional Studies
Committee
c/o Department of Geography

Our Apologies

The web site address for the 21st Annual Canadian Mathematics Educational Student Group at Lakehead University May 23-27, 1997 as published in the March, 1997 issue of the *Agora* was incorrect.

The correct address is
<http://www.lakeheadu.ca/~cmesgwww/gcdem97.html>

**The *Agora* is published on the 15th of every month.
We encourage you to send in your news. Deadline for the May issue is Monday, May 5, 1997.**

C. Trojan
Community Relations

SECOND ANNUAL GRADUATE STUDENTS IN EDUCATION

CONFERENCE

Saturday, May 3, 1997

1:00 - 4:00 p.m.

Bora Laskin Building

Poster Session, Displays, Panel Discussion, Keynote Speaker, Refreshments. To RSVP, or for further information, contact: Diana Mason at 343-8706 or by E-mail: Diana.Mason@Lakeheadu.ca

Agora

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