

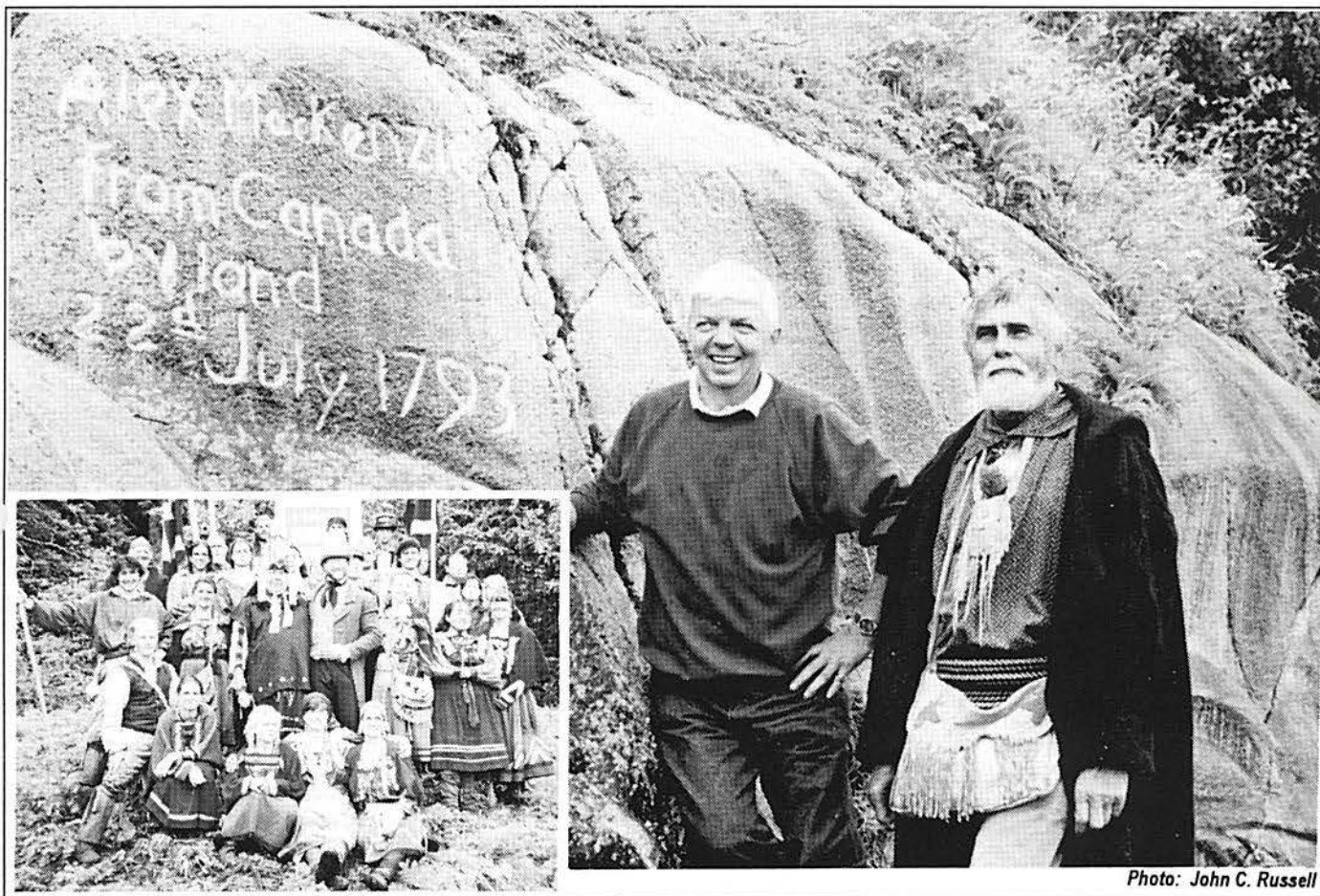


Photo: John C. Russell

Mission Accomplished! Expedition leader Dr. Jim Smithers (right) and Director of Student Placement and Co-operative Education Moe Ktytor (left) celebrate the completion of the Canada Sea-to-Sea Expedition at Mackenzie Rock near Bella Coola, B.C. The modern day voyageurs completed their trip on July 22, 1993, -- exactly 200 years after Scottish explorer Alexander Mackenzie, with the help of native guides, found an overland route to the Pacific Ocean.

Since the summer of 1989, students and faculty from the School of Outdoor Recreation have paddled over 10,000 kilometres in 700-lb canoes in a series of phased trips from Fort McMurray, Alta., to Inuvik, NWT; from Montreal, Que., to Winnipeg, Man.; from Winnipeg to Peace River, Alta.; and finally from Peace River to Bella Coola on the coast of British Columbia.

The expedition was funded by the Government of Canada's Stay in School initiative. Throughout their trip the students brought the stay-in-school message to thousands of young people by means of historical and modern role models, dancing, singing and telling

stories. (Alexander Mackenzie had to return to England mid-way through his travels to gain additional navigation skills.)

This summer the Expedition was forced to circumvent an historic portion of the Mackenzie trail in B.C. as a result of protests by a group of local native bands. Nevertheless, the group was met in Bella Coola by four hereditary chiefs and a number of elders who welcomed the young voyageurs. Our students were greeted by Chief Andy Siwallace who said, "You are a welcome sight. You followed in Mackenzie's footsteps from beginning to end, and we are proud of you for doing this. While you are here, you will be living in peace with us."

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COU PAPER ON TUITION FEES

In late August, the Council of Ontario Universities (COU) released a discussion paper on tuition fees. It called for a fee increase starting in 1994 of close to 45 per cent phased in over two years as well as the concept of program variable fees. The paper was intended to promote discussion and it has done that. Are the recommendations realistic? That is a good question since the Ontario government not only dictates our grant level and the number of students funded, but it also controls the level of tuition fees. Grant levels have taken a beating for the last 15 years and the number of unfunded students continues to increase. At Lakehead roughly one out of five of our students are not funded by the government.

Currently University students pay tuition fees that represent about 20 per cent of the cost of their education. In the mid '60s tuition represented 25 per cent. It would seem to me that a realistic compromise on tuition would be an increase of \$500 (or so) per year phased over two to three years. I do not support the extreme levels of variable program fees suggested in the discussion paper. In the end, the decision will be a political one for David Cooke and the Ontario NDP Cabinet. I believe current NDP party policy calls for zero tuition fee levels!

Often we forget the federal government when talking about university funding because our government grants come from Queen's Park. This is wrong because Ontario simply hands out the money that they receive from Ottawa under the Established Programs Funding (EPF). In recent years the federal Conservative government has severely reduced the growth of EPF. Every effort must be made to put post-secondary education issues on the agenda of the next federal government.

SPECIAL EVENTS

I urge each one of you to participate in the scheduled activities during Special Needs Awareness Days as outlined in the Campus Calendar section on Page 12 of the Agora.

SPECIAL CONGRATULATIONS

1) To Susan Trudel on being the first recipient of the Lakehead University Silver Jubilee Scholarship to Confederation College.

2) To Stephen McBride on his appointment as Chair of the Political Science Department at Simon Fraser University.

SAFETY FIRST

We have had a good summer and our lost time record is still far better than last year. LU even had a successful Baseball Tournament without an injury. Incidentally, congratulations to the winners, the NAPE team.

NEW AND RENEW

Avila Centre is now officially part of the University campus and an open house will be held soon to introduce the Lakehead University community to this facility. University Development, Information and Alumni Services as well as Residence and the Lakehead University Community Music School (under the direction of the Department of Music) will be relocating effective September 1, 1993.

Check out the "new" University Centre Theatre and as well the renovated floors (basement, fourth, and fifth) of the Library. It has been a busy summer for Campus Development!

GOVERNMENT GOINGS ON

i) Additional Qualification (AQ) Courses in Education will have their fees dramatically increased this September in concert with the Ontario government policy to phase out funding of these activities over the next four years.

ii) Native Studies at Lakehead University will continue in a reorganized form this year because funding was not forthcoming under Ontario's Aboriginal Education and Training Strategy (AETS) program. The Native Studies academic program will be administratively joined with native student services in order to deal with the fiscal cutbacks.

ENROLMENT

Our target this year is to take approximately the same number of Year One students as we did in 1992-93. To date this projection looks accurate but the real test will be Registration Week and the difficulty in finding a parking place on campus.

RESOURCE CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY

The Ontario government has withdrawn funding for the Resource Centre for Occupational Health and Safety after 15 years of very successful service to Northwestern Ontario employers and employees. This is a significant step backwards in health and safety and one for which the government will ultimately be held accountable.

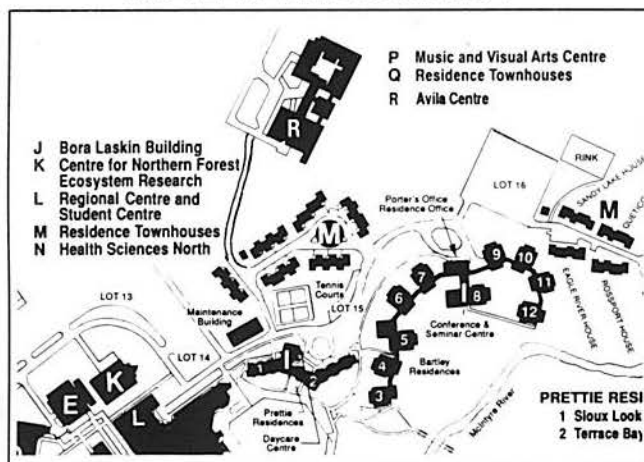
For the present time, a reorganized Resource Centre will continue on a scaled-down basis and will report to Dr. C. Nelson, Director of Research and Graduate Studies. This change is being made to allow both the Resource Centre and the Instrumentation Lab to maximize outside income opportunities by working in concert on some initiatives. More on this new arrangement in a future issue of the Agora. In the interim we will continue to press the government to see the ill of their ways. To date we seem to be in a political do-loop (as distinct from a bureaucratic do-loop).

NOTICE

Wednesday, October 13, 1993, has been declared National Students' Day. It is recognized that students may wish to participate in activities organized by the Student Union on that day. In keeping with the Senate resolution of March 24, 1993, all faculty are asked to refrain from penalizing any student who misses a class or a lab on that day because of participation in specially organized events

- Robert G. Rosehart

INFORMATION, DEVELOPMENT AND ALUMNI SERVICES MOVE TO AVILA CENTRE



As you read this issue of the Agora, the staff in the Department of External Relations is unpacking boxes and setting up shop in one wing of the **Avila Centre**. How do you get there? If you are walking, take the path that runs beside the Maintenance building near Parking Lot 14 and the Tennis Courts. If you are driving along Balmoral Avenue heading south, turn right onto Tenth Avenue, and right on Reaume Street. If you are driving along Golf Links Road turn off on Central Avenue. Staff telephone and fax numbers remain the same.



The Annual Lakehead University Picnic, sponsored by LU Community Council for the families of staff, faculty and students held on Sunday, June 27, attracted a sparse but enthusiastic group of about 50 participants. The event was rained out around 3:30 pm but not before most of the events, such as the balloon toss and the sack race, were held as scheduled. Versa Foods Services supplied the food under the able direction of John Rose and Dan Karam. Many thanks to all the volunteers who helped organize the day especially: Ken and Cheryl Balacko, Michael and Mathew Burke, and Carolann Loree.

— Norma Gibson



Nape Eagles' team members Larry Clause and Morgan Green collect the Golden Jock Award from Ain Raitasakas at the BBQ following the annual President's Baseball Tournament.

Tournament '93 has come and gone with the NAPE EAGLES edging out last year's champion CELLAR DWELLERS in a 6 to 5 victory to win the much coveted Golden Jock award, portraying excellence in team spirit and good old-fashioned hustle. Congratulations to the winning team and to all the participants comprising the ten teams that made the 1993 President's Tournament the success that it was. It was nice to see Dr. Bob and his cohorts out there running the bases and enjoying the company of the other players.

Once again Versa Food Services provided excellent hamburgers, hot sausages, steaks and salads at a fair price, that were enjoyed by all present at the awards presentation in the Faculty Lounge.

Perhaps with a few minor changes in the tournament format, we might get an even better response from the University community. Any suggestions can be forwarded to Native Access Program for Engineering (check the 1994 LU directory for their new location).

— Sam Spivak

A Reminder to all Tournament '93 Participants

It has come to my attention that several Baseball Bats and Balls borrowed from the Fieldhouse for the University Tournament have not yet been returned. If you are holding on to some of these items and have not yet returned them I would ask that you contact me immediately. Your co-operation will ensure that another successful Baseball Tournament is held again next year.

— Sam Spivak ext. 8797.



Happy Retirement Vi! Friends and co-workers including Les Miller (left) and Dave Christie (right) gathered for a party last July to wish Mrs. Vi Shanks a fond farewell. Vi, who worked as an Accounting Assistant in the Finance Office, retired after 24 years of service at LU. She plans to spend her days pursuing other interests including History, politics, birdwatching and looking after her grandchildren.

LIBRARY OPEN HOUSE 1993

The newly renovated Chancellor Paterson Library will be officially unveiled on Tuesday, September 7, 1993 between 11:00 a.m. and 12:00 p.m. Join us for a special presentation and tour of the Library.

JOIN US FOR A TOUR OF THE CHANCELLOR PATERSON LIBRARY

Beginning September 8, 1993, The Reference and Information Services Department of The Chancellor Paterson Library will be offering tours. Register at the Information Desk on the Main Floor or call 343-8302 for more information.

LEARN HOW TO SEARCH THE LIBRARY'S ONLINE CATALOGUE

The Library's Online Catalogue is your key to finding books in The Chancellor Paterson and Education Libraries. Attend an Online Catalogue session to learn how to find the books you are looking for! Sessions will be offered daily beginning September 13, 1993. Register at the Information Desk on the Main Floor or call 343-8302 for more information.

CAMPAIGN UPDATE

A Gift to Last

Planned Giving is quickly becoming a fact of life for many not-for-profit organizations who have a history and a long-term future. In particular, it is becoming popular among Canadian universities. Why? Well, firstly, let's answer the presupposed question: what exactly is a Planned Giving Program?

In a nutshell, a "planned gift" is one that is deferred - typically trusts of various kinds, or a simple will in which a bequest, for example, is made to the charitable organization. The term also includes lifetime gifts of property, such as stock, real estate and life insurance. This takes the form of a charitable gift that benefits not only the donee but the donor, by way of Revenue Canada. Usually the benefit of such a gift is not realized until after the death of the donor. A planned gift allows for a larger donation to an institution than the donor might otherwise be able to provide in his/her lifetime.

By now you are probably quite familiar with Lakehead University's 5-year \$19.2 million *Share our Northern Vision Campaign*. It may seem at first that the investment in a gift planning program is somewhat impractical as it does not result in immediate "returns" i.e. income that could be utilized right away. True, planned gifts are usually cultivated over a longer period of time. A program requires knowledgeable staff, resources and time as well as a number of volunteers who can provide advice (lawyers, insurance agents, chartered accountants) and seminars for interested parties. Lakehead University has been the beneficiary of many such gifts, but only recently

DID YOU KNOW THAT YOU CAN SEARCH THE ONLINE CATALOGUE FROM YOUR OFFICE OR HOME?

You don't have to leave your office or home to find out what is available in the Library. With your computer, modem and the appropriate telecommunications software, you can search at your convenience!!! Come to the Information Desk on the Main Floor of the Library or call 343-8302 for more information.

NEW LOCATIONS

As a result of the renovations, a number of offices have been relocated. Here is an update on the new locations:

Chief Librarian 5th floor - LI5004

Northern Studies Resource Centre 5th floor - LI5007

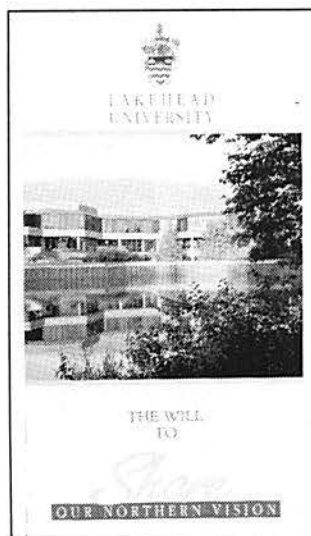
Bibliographic Processing 5th Floor - LI5003

Collections Development 5th Floor - LI5010

Microforms Main Floor - LI003A

has it established a formal Planned Giving Program. We recognize that this essential component of fund raising is part of a comprehensive development program along with others such as an annual giving program (which has also seen cultivation and growth of alumni over a period of years), capital campaigns, and special events. Individuals, such as alumni, retirees, and employees and friends of Lakehead often have a vested interest in their institution. We feel that many donors who support their favourite charity on a regular basis can be encouraged to carry on this tradition of a lasting relationship by a bequest, for example. As you read this you are no doubt wondering how such a program could ever benefit you? The Development Office has compiled a comprehensive brochure called **The Will to Share Our Northern Vision** in which you

can read about Life Insurance, Gifts of Property and Wills as pertains to a planned gift. In addition there is a description of bequests, tax benefits to donors and endowed gift opportunities. Please telephone 343-8910 for a free copy of this booklet. If any of you are interested in attending seminars on retirement, will and estate planning and other related topics of concern to you please let me know.



— Jo-Anne Silverman, Senior Development Officer

MEILAN LIU

As Meilan Liu begins her work at LU this September as an Assistant Professor in the Department of Mechanical Engineering, she will also be preparing for the oral defense of her PhD thesis on *Random Vibration of Shell Structures with Geometrical and Material Nonlinearities*. Once she finishes her doctorate she is hoping to dig a little deeper into some of the interesting research areas she has uncovered.



Born and raised in Guang Zhou, China, (about 200 miles northwest of Hong Kong), Professor Liu studied for her Bachelor's and Master's degrees in Beijing. When she finished in 1984, she worked for two years as an Assistant Engineer at the Guang Zhou Institute of Iron and Steel and then spent three years as a University teacher at Guang Dong Institute of Technology.

She first visited Canada as a visiting scholar at the University of Western Ontario in London and, after one year, was accepted into the Doctorate program at the University. All the while her family (husband Dawen who has a Master's degree in Engineering and their five-year old son, Jeff) remained in China and only joined Meilan last August after a long separation.

Professor Liu will be teaching two courses this fall: Mechanical Engineering Design 1 and Mechanics of Solids.

JUNE O'BRIEN

If familiarity with LU's Native Nurses Entry Program is part of the criteria for the job of Co-ordinator, then June O'Brien is certainly well qualified. Born and raised in Thunder Bay, June is a Registered Nurse who took her RN at McKellar Hospital and then went on to to receive her Bachelor of Science degree in Nursing specializing in Education from the University of Western Ontario in

London.

She has been associated with LU since 1974 when she started working as a Clinical Teacher for the School of Nursing. When the Native Nurses Entry program began in 1989 June was asked to teach two of its courses: Communications for Native Students and Professional Orientation for Native Nursing Students. Since last September, she has been working as Co-ordinator of the Program on an interim basis. By the time funding for the program had been secured and the job was advertised, June realized she truly enjoyed the job, and applied for the position.

In her other life - the one off campus - June likes to read and to garden and she serves on the Board of Directors of Wequedong Lodge. She and her husband have two daughters.



LENA WHITE

Lena White has long been interested in teaching Native languages, and over the course of her 17-year career has been instrumental in preparing some of the teaching materials that are now used to train teachers. In 1981 she began teaching at LU with the Native Language Instructor's program. Now that she is Co-ordinator, she will continue to teach some of the courses as well as administer the program, supervise practica, co-ordinate activities, hire faculty, schedule courses and conduct research.



Lena, who has a Master's degree from York University in Environmental Studies (Languages and Culture), is familiar with Thunder Bay having spent many summers here. Originally from Wikwemikong, Manitoulin Island, she is in the process of moving to Thunder Bay from Sudbury. She has two grown sons, Tom and Stanford, who live on Walpole Island in Southern Ontario.

HELEN SMITH

History and English have been the driving forces in Dr. Helen Smith's academic life.

After completing an HBA at Lakehead University, Helen left her home town to do a Bachelor of Education and Master's degree in History at the University of Toronto. She then completed her Master's degree in Education at O.I.S.E. (Ontario Institute for Studies in Education) and went on to do a



Ph.D. at the same institution. Her dissertation: "A History of Menstrual Symbolism and its use in the Knowledge Quest".

Hired as an Assistant Professor in the Department of History last September, Helen spent the past year working with Professor Pam Wakewich in delivering the Women's Studies Program - a popular choice judging from the 250 students Helen faced on the first day of the introduction course! She has developed the first Women's History course at LU called "Canadian Women in Historical Perspective" and her goal in the coming months is to develop a course on European Women's History.

SWEDISH RESEARCHERS VISIT LU

A four-member team of plant ecologists from the University of Agricultural Sciences, Umea, Sweden, visited Thunder Bay last April. Dr. Olle Zackrisson, Professor and Head of Forest Ecology Department, and his team share similar research interests with Dr. Azim Mallik of LU's Biology Department.

In May, 1992, Dr. Mallik visited Dr. Zackrisson's lab at Umea and his field sites in northern Sweden with partial financial support from the Canadian-Swedish Association and The Centre for Northern Studies, Lakehead University. A return visit from the Swedish ecologists this year has certainly increased the collaboration between the two universities.

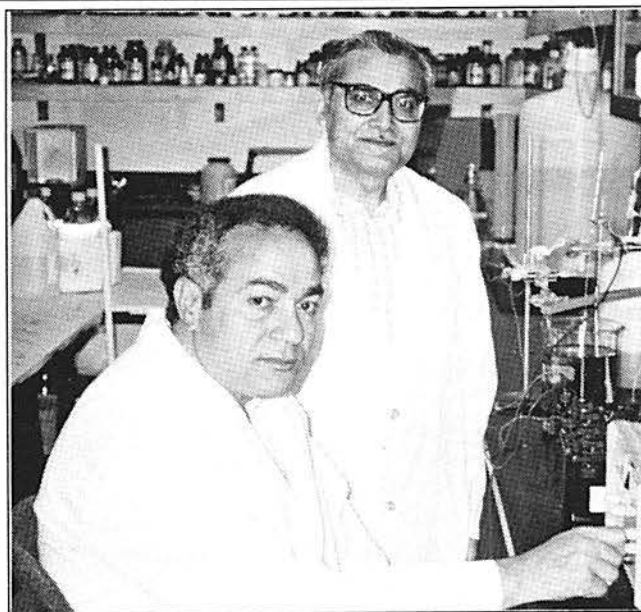
While in Thunder Bay, the visitors were shown Dr. Mallik's research sites in Greenwood Lake Old Growth Forest, the Thunder Bay spacing trial and the adjacent areas of ecological interests. Dr. Willard Carmean and Dr. Reno Pulkki of the School of Forestry accompanied them on the field trips.

After completing their visit, the Swedish researchers went for a week-long visit to Newfoundland with Dr. Mallik. During that time, they were shown the various Kalmia-black spruce research sites of Dr. Mallik's which were spread over the island. The Swedish team was alarmed by the extensive spread of Kalmia and its adverse impact on black spruce regeneration in Newfoundland. A similar forest regeneration problem is caused by another understory species, *Empetrum hermaphroditum*, in northern Sweden. There is a potential for a long-term trans-Atlantic research collaboration on tree-shrub interactions in boreal forests between Lakehead and Umea. A joint research proposal will be submitted to the Swedish Academy of Science for funding.

—Dr. A. U. Mallik, Assistant Professor, Biology



Dr. Murray Lankester of the Biology Department was presented with the "Distinguished Moose Biologist" Award at the 29th Annual North American Moose Conference held at the Mount Washington Hotel, Bretton Woods, New Hampshire, in May, 1993. Dr. Lankester was recognized for his research contributions to the field of moose health and for services to the Journal *Alces*. Murray is surrounded by well-wishers and former recipients of the Award.



Dr. G.H. Sedahmed (in front) from the University of Alexandria, Egypt, visited Lakehead University this summer to work with Dr. I. Nirdosh of the Department of Chemical Engineering.

NEW ELECTRODES FOR ELECTRO-CHEMICAL REACTORS

I had never heard of Electrochemical engineering until I spent a morning with Dr. I. Nirdosh and Dr. G.H. Sedahmed, a visiting professor from the University of Alexandria in Egypt who was in Thunder Bay this summer. This was Dr. Sedahmed's second visit to LU in three years.

Dr. Sedahmed explained that electrochemical engineering is the science which deals with the production of useful products through chemical reactions induced by electricity.

Electrochemical techniques are useful in many ways. They are used to control water pollution by removing toxic and precious metals from industrial effluents (the recovered metals making the process cost efficient); to control air pollution by removing toxic gases such as sulphur dioxide from the stack gases; and to combat the problem of corrosion of metal structures that causes enormous losses to industry and society. Scientists in this field are working hard to perfect a viable technology for producing hydrogen from water. Hydrogen is considered the fuel of the future when fossil fuels dry up. Also, it produces only water on ignition and is therefore environment-friendly.

This science, though still in its infant stage, is increasing in popularity and practise. Dr. Sedahmed and Dr. Nirdosh are currently studying the factors affecting the rate of production in the electrochemical industry, and hope to be able to increase the efficiency of the process by modifying the shape and structure of the electrodes used in the process. This will make the process more energy efficient.

— Mark Tilbury

Mark Tilbury is a 4th year Honours Bachelor of Commerce student majoring in Human Resource Management. He was hired on a SEED grant this summer to work for the Department of External Relations as a Communications Assistant.

FACULTY PROMOTIONS

At their meeting on May 28, 1993, The Board of Governors of Lakehead University approved the following appointments:

To the Rank of Professor:

Faculty of Arts and Science

Dr. R. Dilley, Department of Geography
Dr. J. Forbes, Department of English
Dr. D. Morris, Department of Biology/Forestry/CNS
Dr. S. R. MacGillivray, Department of English

Faculty of Professional Studies

Dr. B. Dadgostar, School of Business Administration
Dr. M. C. Courtland, School of Education
Dr. J. Crossman, School of Physical Education & Athletics

To the Rank of Associate Professor:

Faculty of Arts and Science

Dr. M. Bombin, Department of Anthropology
Dr. C. Southcott, Department of Sociology
Dr. G. Carruthers, Department of Music
Dr. T. Dunk, Department of Sociology/CNS
Dr. B. O'Connor, Department of Psychology
Dr. S. Hamilton, Department of Anthropology
Dr. W. Jankowski, Department of Economics
Dr. X. Li, Department of Mathematical Sciences

Faculty of Professional Studies

Professor J. de Cangas, School of Nursing
Dr. J. O'Meara, School of Education
Dr. M. McPherson, School of Physical Education & Athletics
Professor E. Diem, School of Nursing

To the Rank of Assistant Professor:

Faculty of Arts and Science

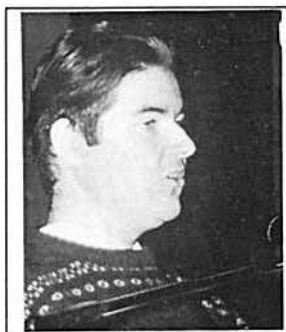
Professor D. Martin, Department of Chemistry

Buddy, can you spare a Computer?

David Hare, the Manager of Residence, has put out a request on campus for old IBM/PC compatible computers in any condition. He is planning to set up a computer lab to make it easier for students who live in Residence to work on assignments. So far he's received three computers and is hoping for seven more. The lab will be for assignments only (no games) and will be set up in Bartley Residence. If you can help out, contact David Hare at ext. 8512.

IN MEMORIAM: SEAN CALJOUW

The Learning Assistance Centre staff has fond memories of Sean — of his zest for life, his keen interest in so many topics,



his trying to remain "within the speed limit" in his power wheelchair, and his interest in improving the accessibility of the campus for all persons with disabilities. Sean had muscular dystrophy. He died at home on Thursday, August 26, 1993.

In the fall of 1990, Sean took part in a presentation to Campus Development, helping them to understand the needs of people with disabilities by

describing his typical day on campus.

In the summer of 1992, as part of a Ministry Summer Experience program, Sean worked for the Special Needs Office of the Learning Assistance Centre. Through his efforts, the Office produced the *Report on Physical Assessability at Lakehead University*. The survey provides information to incoming students and serves as an awareness tool for short and long-term planning. His interests also included the Student Union's Disabled Students' Action Committee. Most recently, he joined David Hare, Manager, Residence and Conference Services and Geraldine White, Co-ordinator, Learning Assistance Centre, on a wheelchair-accessibility audit of the Avila Centre so that problem areas could be identified for future planning.

Sean began at Lakehead in Engineering in 1989 and switched to Computer Science in 1991. He will be missed at Lakehead University.

INCLUSIVE LANGUAGE

During its review of the By-Laws several years ago, the Board of Governors took the lead in resolving that inclusive language would be used in all Board documents and correspondence. Last autumn, the Senate of the University accepted the Lakehead University Strategic Plan, 1992-93 which included a recommendation that the University adopt inclusive language in discourse and publications, specifically that the head of a department or committee be designated as Chair.

In the recently concluded negotiations, the Lakehead University Faculty Association and the Board of Governors agreed to a contractual language change of Chairman to Chair. All academic and administrative departments have been requested to review forms and publications, and make the amendment to Chair when the next printing occurs. In principle, the conversion to inclusive language is now complete across all areas of the University. I am requesting your cooperation in implementing this commitment.

— R.G. Rosehart

TOP TIPS FOR GETTING GRANTS

By and large, grant application reviewers state that research submissions are of high quality. However, they point to several recurring problems that cause reviewer frustration and frequently result in applicants receiving less funding than requested or being rejected.

Here's what the experts consider their top 10 tips for good grantsmanship.

1. Read the application form and take it seriously. "Do what the application form asks you to do and in that order," counsels Jon Muzio, University of Victoria computer science professor and NSERC group chair. "Committee members who have to spend substantial time sorting out an application tend to get annoyed and suspicious."

Lewis Slotin, director of programs at the Medical Research Council, recalls one applicant who sent a video tape with his application. "It (the video) was not well done and contained nothing that made it a useful addition to the standard application. The reviewers simply thought the applicant was using it (the video tape) as a way around the page limit."

2. Pay attention to the granting objectives and criteria. Agencies that fund Canadian historical research won't take a second look at your whale biorhythms project.

3. Write clearly. Long sentences, complex phraseology and jargon do not reflect scholarship. Indeed, Dr. Muzio says he has seen some applicants penalized for their lack of ability to communicate clearly.

4. Don't trust your computer spell checker. Use a dictionary. Barb Davies, a professor at the University of Ottawa's school of nursing, recalls reviewing one application in which the word "lung" was misspelled as "lunch" several times. "You can imagine what the review committee did with that application," she says.

Adds Dr. Slotin, "If you can't get the spelling right, how are you going to get the research right?"

The following article first appeared in University Affairs, April, 1993. It is reproduced with permission of the editor.

5. Be succinct. More is not better. Dr. Muzio estimates his committee members read an average of 100 pages of application material each day from October to February in preparation for NSERC's February adjudication.

6. Avoid ambiguities. Fuzzy objectives are easy to spot, says Dr. Muzio. If objectives, which become the basis for assessing the progress of a project, are too vague or general, the reviewers will have no way of accurately assessing progress. They may choose not to support a project on which they cannot monitor progress.

Moreover, says Steve Calvert, professor of oceanography at the University of British Columbia and NSERC group chair, reviewers should not have to second guess the intent of a research proposal. "They'll guess wrong as often as they guess right."

7. Package the application material well. It is absolutely vital to format the application to be easy to read. Choose a dark, clear typeface and use headings to show the logical progression through the application. Have reasonable margins and break up the text into paragraphs. "It is an illusion to think that all white space must be filled," Dr. Muzio points out. "Remember that humans will be reading the material."

8. Be honest. Use the application to explain any interruptions or delays in the research progress, be they medical or maternity. Dr. Calvert recalls a case one of his committees reviewed in the 1993 adjudication. "The committee adjusted the grant in favour of the applicant even though ill health had delayed the researcher's progress."

9. Have your application critically reviewed by colleagues. This recommendation is especially important for new researchers and first-time applicants.

"Capitalize on the experience of your colleagues," suggests Dr. Slotin. He notes that the four Canadian medical schools which have established formal, pre-submission reviews of grant applications have higher success rates than those without in-house reviews.

10. Spend time on the application. Dr. Muzio, a long-time NSERC reviewer, maintains that reviewers can tell when an application has been pulled together hurriedly at last minute.

And, according to University of Calgary zoology professor Ellie Prepas, poorly prepared applications are often turned down.

Above all, don't get discouraged. "Make the strongest case you can," says SSHRC's Ms Lee, "and keep trying."

IMPORTANT FALL RESEARCH DEADLINES TO REMEMBER

With fall in sight, many researchers will soon be preparing their grant applications. Forms and guidebooks can be obtained by contacting the Research Office. To facilitate processing of applications this year, the Research Office is requesting that LU researchers attempt to meet the internal deadline dates (IDD) for external NSERC and SSHRC applications only.

NSERC DEADLINES

INTERNAL	EXTERNAL	
September 15	October 1	- Major Equipment (\$150,001 to \$325,000) and installations (more than \$325,000) - All Infrastructure
October 1	October 15	- First-time applicants for research grants - Applicants also applying to or already supported by MRC and SSHRC
October 15	November 1	- Research grants except those to be submitted by October 15 - Equipment Grants (\$7,001 to \$150,000) - Conference Grants

SSHRC DEADLINES

INTERNAL	EXTERNAL	
October 1	October 15	- Research Grants - Strategic Grants

LAKEHEAD UNIVERSITY SENATE RESEARCH COMMITTEE DEADLINES

September 15	- Conference Travel (SSHRC/NSERC) - Research Travel (NSERC)
September 30	- Infrastructure Fund (SSHRC/NSERC) - Research Development Fund - New Initiative Fund
October 12	- Research Projects (SSHRC/NSERC) - Visiting Scholar (SSHRC/NSERC)

All new applicants are encouraged to meet with Anne Klymenko, Research Officer, prior to writing any grant applications. The Research Office can provide a multitude of resources to facilitate the grant writing process.

SMALL BUSINESS CONSULTANTS DEMONSTRATE ENTREPRENEURIAL SPIRIT



When provincial funding for the Lakehead University Small Business Consulting Service was cancelled this year, LU business students decided to go it alone and take responsibility for a summertime operation that provided two full-time and 12 part-time positions for LU students.

David Heald interviewed Manager Michael Mannisto (back) and Consultant James Lindsay (front), two fourth-year Commerce students who worked full-time for the Service, at their office on campus at the School of Business Administration

The following is an excerpt from an article slated for the Nor'Wester Magazine.

Q. What types of businesses have sought help from your service?

A. The largest segment of our business this summer has been from the tourism industry. Other areas include municipal, government, and educational institutions; non-profit agencies; research groups; and retail outlets.

Q. Can you provide assistance with market research?

A. Our service can provide two areas of assistance with respect to market research. We will provide a client-administered model of market research. This process involves a consultation with our client which results in a "how to" lesson for those who want to conduct their own research. Levels of assistance can be negotiated to include more or less help depending upon the client's needs.

We also offer process consulting which is client-centred and includes the client in the development of the survey. Our service then administers the survey and analyzes the data.

Q. How much money would a new business seeking your assistance have to spend for your services?

A. We offer a free consultation service where a complete evaluation of the client's needs is prepared. We will then submit a proposal identifying specific actions to be taken by our service. Both the client's role and our role along with time and cost projections are included. The client can then negotiate for more or less of the actions we have proposed to achieve a greater or lesser cost.

Q. Can you help with accounting system development?

A. We will normally set up an accounting system and

assist the client in applying the system to their business. Referrals to professional accounting firms may occur where certain factors would indicate the need for more detailed accounting assistance.

Q. What has been the single biggest concern that entrepreneurs have brought to you?

A. This summer, how to present a business plan to potential investors or creditors in a professional manner has been a large part of our business. Market research is another major need expressed by clients. Often basic information is in the hands of the entrepreneur and we provide additional research to fill in the gaps.

David Heald has a BA in Psychology and a Diploma in Industrial Relations and assists individuals with developmental handicaps find community-based employment.

The Small Business Consulting Service will continue to operate throughout the school year. For information contact Mike Mannisto at 343-8660 or Fax 343-8443.

LAKEHEAD ENVIRONMENTAL ACTION GROUP

Despite these times of economic austerity, there are bright spots that point to a future in which we will have risen to the current challenges and created a better tomorrow. One such bright spot is the agreement that was reached between Lakehead University and the Lakehead Environmental Action Group. The signing of the agreement last spring marked the culmination of a six-month "discovery" period in which the environmental coalition, with the support of Lakehead's Department of Research and Graduate Studies, established itself as a credible organization for the development and implementation of a Green Plan for Thunder Bay.

As a result of several grants that it has succeeded in attracting, the Lakehead Environmental Action Group has a mandate to develop a Community Action Plan (Green Plan) for Thunder Bay, plus Action Plans that will relate to specific areas such as energy and water conservation, waste reduction and green space (i.e. biodiversity) enhancement.

The group's mandate involves the development of baseline data about energy use, water use, waste generation, and ecological biodiversity in Thunder Bay. Several members of the university community, including Dr. Ken Deacon (Biology), Prof. Mary Ellen MacCallum (Geography), Dr. Connie Nelson (Research and Graduate Studies), Dr. Martin Oosterveld (Engineering), and Dr. Umed Panu (Engineering) are involved in research and planning. This represents a unique opportunity for the University to interact with the larger community of Thunder Bay, demonstrating its expertise and contribution to community life.

Later stages will involve direct participation by a wide range of citizens in implementing the plan. The Lakehead Environmental Action Group will be developing projects through the fall. For more information, call Hu Macdonald at 346-7723, or drop in to see him in Black Shack 102.

— Prof. Mary Ellen MacCallum

DOWN UNDER

New Employees

September is the start of another busy school year, and many departments will be hiring part-time employees. To ensure that employees are paid promptly, a Staff Information Form must be properly completed by the hiring department and forwarded to Human Resources. All new employees are required to sign-on in Human Resources. Until both processes are completed, employees will not be paid. If you have any questions about the procedure, please contact Human Resources at ext. 8334.

Staff Fund

Just a reminder that our Staff Fund sends flowers or fruit baskets to help cheer up participating employees who are sick, and flowers (or donations to a favourite charity) in cases of bereavement. \$1.00 per month is deducted from participating employees. If you would like to join, just call Human Resources at ext. 8334. Also, remember to notify us if you know of someone who is sick or has had a death in the immediate family. **You** are our connection to the University community!

Did You Know that the audio and video cassette library in Human Resources is being well used by staff. Drop in and see what cassettes are available!

OFFICE COMFORT: SIMPLE SOLUTIONS

My friend and co-worker, Barb, complained to me last year that the "ergonomic chair" which she had purchased for her office at a princely sum of \$425, did not seem to be very comfortable. (I hasten to note that this was in my "former life" as a Ministry civil servant – we did have money in those not-so-long-ago days for office furnishings.) On examination of the suspect chair, it was quickly noted that it had a major manufacturing defect which forced Barb's upper torso neatly forward.

Not only that, the chair, with all its dials and levers, had never been properly adjusted to Barb's frame. The seat pan was tilted far back – no doubt, to prevent her being forced off the chair by the defective back rest. The seat was so high that her legs dangled, though it did allow her to get a firm leg lock on the pedestal to prevent her always imminent ejection from the chair.

In retrospect, I suppose the chair was adjusted to Barb's circumstances, but certainly not to her advantage. That problem, and other "real life" situations have taught me a few things about comfort in the office:

1. Expensive does not necessarily mean effective.
2. "Ergonomic" products, like "cholesterol free" ones, are to be approached with some degree of skepticism.
3. Because it's adjustable doesn't mean it will be adjusted.
4. Never underestimate individual tolerance for discomfort. (Because you don't hear a complaint doesn't mean that there isn't a reason for one.) I now use those four principles to guide me when I hear concerns voiced about office comfort – particularly at computer work stations. They form the basis for some simple solutions.

NEXT MONTH: Office Comfort: Simple Solutions – Making Adjustments

What is Nepotism?

Human Resources has recently received inquiries regarding nepotism. The University Policy on Employment Practices states that "In no instance should relations be employed in the same department in the relative positions of employee and supervisor".

Tuition Waiver

All full-time employees taking advantage of free tuition must complete a *Tuition Waiver* form. These forms are available from the Finance Office (Accounts). *Tuition Waiver* forms should be taken directly to Accounts during the registration process.

Benefits Update

As we reported last month, you can now read about your benefits on LUCI. Under the "Human Resources" directory are listings for benefits for each employee union or group. The individual benefit files are the same as the coloured pages you received in your benefits folder. The most updated version will always appear on LUCI. If you have any questions, contact Human Resources at ext. 8334.

Quote of the Month

Of all the things you wear, your expression is the most important.

To include your Department's event or activity in the Campus Calendar, please call Betty Hygaard at the Information Office at 343-8300 or mail your information to Avila Centre. Deadline for the October Agora is September 10, 1993.

SEPTEMBER

Monday, 13

Open House
LU Instrumentation Laboratory at UC0001 from 9:30 am to 3:00 pm
There will be presentations by University researchers following Opening Remarks by Dr. Rosehart at 9:30 a.m.
All Students, Graduate Students, Faculty and Staff are Welcome. Refreshments will be served.
For further information contact Allan MacKenzie at x 8294 or the Office of Research and Graduate Studies.

Monday, 13

Alumni Association
Board of Directors Meeting
Little Dining Room
7:30 pm

Thursday, 16

Annual Meeting of the LU Board of Governors
4:00 pm
Senate Chambers

Friday, 17

LU Board of Governors Meeting
12:30 pm
Senate Chambers

Sunday, 19

Terry Fox Run
10:00 am to 2:00 pm
St. Ignatius High School
This year's run is dedicated to the late Frank Schaller, a graduate of LU, who passed away on Feb. 19, 1993, as a result of a malignant brain tumor. Pledge forms can be picked up at the Canadian Cancer Society, 845 May St. N., 623-3544

Monday, 27

Senate Meeting
9:30 am
Senate Chambers

Tuesday, 28

Dept. of English Lecture Series: "Rorty Resartus: A Post-Modern Clothes Philosophy" – Lecture by Dr. D. Rabb, 7:30 p.m. in the Faculty Lounge. Coffee and Refreshments will be served.

CORNWALL CONCERT SERIES

September 21, Dinos Constantinides, violin; Joy Fahrenbruck, piano
October 5, Monica Whicher, soprano; Heather Morrison, piano

All concerts are held at the Jean McNulty Recital Hall, Music and Visual Arts Centre at 12:30 pm.

Single tickets for all concerts are \$7.00 (regular) and \$5.00 (students/seniors).

REDRESSING THE IMBALANCE: HEALTH HUMAN RESOURCES IN RURAL AND NORTHERN COMMUNITIES

October 21-24, 1993
Lakehead University
For Information contact
Jean Engholm 343-2134

Recapture the Pride...
Remember the Promise
at

Homecoming Weekend

OCTOBER 22-24, 1993
For Information call 343-8155

John Zanatta Alumni Basketball Games October 16

Women: 6:30 p.m. Men: 8:30 p.m.
LU Thunderdome

Second Annual SPECIAL NEEDS AWARENESS DAYS

Sept. 27, The Agency Fair
Sept. 28, Access Day: An opportunity for students and faculty to experience a disability and the barriers that persons encounter on our campus. Wheelchairs and dark glasses will be available.
Sept. 29, Wrap Up Breakfast: To conclude there will be a buffet breakfast with guest speakers. Everyone is invited to attend.
Please RSVP by Sept. 7 to Terry Robinson or Krista Ditchfield at 343-8259 or fax 343-8598

AGORA

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Director of External Relations:
John Russell
Co-ordinator, Information and Promotion Services: Katherine Shedden
Publications Officer: Frances Harding
Secretary: Betty Hygaard
Photography: Peter Puna and PR staff
Graphics: Ben Kaminski, Nicole Paquin
Printing: LU Print Shop

Address correspondence to:
Editor/Agora
Information Office, Avila Centre
Lakehead University
Oliver Road, Thunder Bay, Ontario
P7B 5E1
(807) 343-8300
FAX (807) 343-8192
E-mail:
BHYGAARD@alumni.LakeheadU.CA

RL Zuback
Devel. & Alumni Affairs

Class
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