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Lakehead University Agora

THUNDER BAY, ONTARIO VOL. 9. NO.1

JANUARY 1992



The Christmas party is a well-attended (and fun) annual event as the photographs show. (left) Jerry Hashigushi convinces wife Edie to sit out the next one.



"We're willing to smile but not lead the Bunny Hop" says Brian Baraskewich and his wife Kathy.

(right) May I have this dance for the rest of my life? Lucy and Tony Andreacchi celebrated their 21st wedding anniversary by dancing the night away.



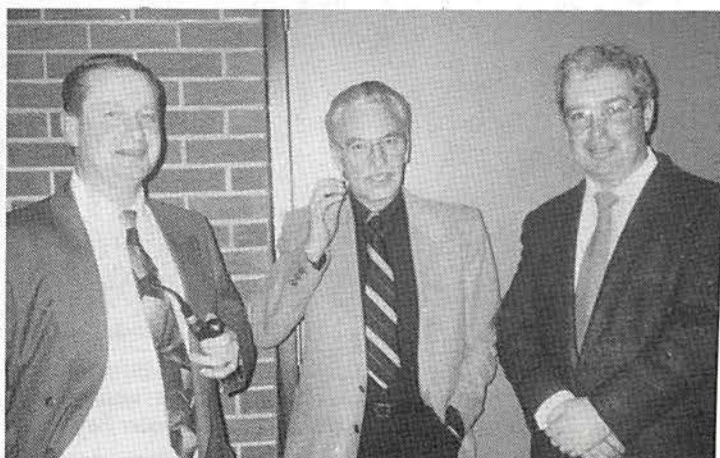
(below) Double Delight! Jackie Johnston has no trouble charming two men. The one with the carefree tie is reported to be her husband Pete and the other is Ray Carter.



How about the next one, hon? Joe Gosselin looks ready to ask his wife Cathy for the next dance.



(right) All dressed up and nobody to dance with? ...From left to right, Bill Keeler, Mike Turek and Andy McFall wearing their best smiles.



Report From the President



Dr. Bob Rosehart

Share Our Northern Vision Kick Off

The new 19.2 million, five-year, Share Our Northern Vision Campaign is officially off and running. The national kick-off was launched by Honorary National Chair, Bill James, in the corporate board rooms of the Royal Bank of Canada in Toronto on November 28, 1991. The event was attended by many senior members of the Canadian corporate sector. Incidentally, the Royal Bank was our first major corporate donor at \$100,000.

The regional kick-off was held on campus on December 2, 1991 and was attended by about 150 supporters.

At both events, Sandy Lake artist, Roy Kakegamic, unveiled a special commissioned art work entitled "Share Our Northern Vision". (See page 4)

John Russell informs me that, at present, the campaign has \$6.3 million of the \$19.2 million objective either in the bank or pledged. The faculty and staff contribution is about \$200,000 to date - good start to a major project which will provide Lakehead University with the needed capital funding to allow us to develop the needed facilities for the year 2000.

Academic Planning Process

After many months of committee and sub-committee work, the Academic Planning process will openly surface this month with an "issues" paper. This paper will be used by the Senate Academic Committee to allow focused input on those areas where significant recommendations will most likely emulate from the planning process which, incidentally, is scheduled to be completed by mid-year.

Tragedy Strikes LU Family

On behalf of the entire LU community, our condolences go out to the K.C. Yang family of the School of Forestry. Grant Yang, their son and gifted student, died in a tragic restaurant fire in Taiwan just before Christmas.

Grants and Budget Update

Lots of newspaper articles and speculation but nothing definitive has come forward from the Ontario government. The next "expected" announcement date is near the end of January. The Ontario government is in a very difficult position. Even in spite of recent federal transfer growth reductions, their commitment to social programs, education and universal health care access is well entrenched; however, the recession has and continues to hit Ontario hard. Under emotional, psychological and political pressure to restrain from further deficit financing, the options are limited: either cut back on programs or raise taxes. While reluctant to do the latter, it may be in the end the only reasonable option. I see little indication that even in the tough times, that Ontario residents are willing to suffer either deterioration of quality or access restrictions to education and health care programs.

Over the years, I have observed that when the time comes for difficult decisions to be made by governments, the predictable response is often one of delay and references to "accountability and restructuring", as if by some magical means funding could be found from within the system itself. In the college and university sectors this a cruel joke as enrolments are at record high levels and tuition fees are fixed by government. By next month's column, we should know!

Changes

Mayor David Hamilton is the new City of Thunder Bay representative for the Board of Governors of Lakehead University. I am personally pleased to see the Mayor sit on the Board as I feel that post-secondary education offers future growth potential for the city and a supportive and pro-active environment at City Hall can sure help.

John Valley has resigned from the Board of Governors recently in light of his new career position. John has left Boise Cascade where he was a senior Vice-President to become as Assistant Deputy Minister at the Ontario Ministry of Natural Resources in charge of the Forest Industry Renewal Project.

Professional Studies

The process continues and over the next two months, the committee will be seeking input and reviewing various organizational alternatives for the Faculty of Professional Studies. If a consensus evolves that is realistic from both academic and fiscal perspectives, it will be considered by the "governance" committee of the Academic Planning process.

Christmas Party

By all accounts, I missed a great party. In total, over 800 members and friends of Lakehead University celebrated the festive season at the DaVinci Centre on Thursday, December 19. This event has obviously hit the big time as the place to be as "four" very carefully and almost perfectly forged red tickets showed up!

A Special Thanks

I would like to express, on behalf of Lakehead University, a special note of thanks for the personal service and commitment given to the University by the 1991 retirees and 20-year pin recipients. (See page 6)

The Year Ahead

The year 1992 will be a challenge! I feel that the LU community, working together, will be up to the task. We have a fine institution that continues to strive to improve through your efforts.

"Let's all do the fundraising conga!"



William (Wild Bill) James, the CEO of Dennison Mines Limited and honorary Chair of the Share Our Northern Vision Campaign has a unique ability to make a great speech while dancing as demonstrated at the Thunder Bay campaign launch.

Around Campus

Call For University Fellow Nominations

The Fellow of Lakehead University is presented annually at Convocation in recognition of those persons who have contributed to the growth, development, welfare and well-being of Northwestern Ontario and/or Lakehead University. Nomination forms are available from Mrs. Martha Gingerich, Secretary to the Board of Governors, Room UC 2007 or by calling 343-8614. Nominations are reviewed by the Board of Governors and must be received by January 24, 1992.

University Student Scores Perfect - Twice!

He considers himself an average 19-year old guy who loves sports, especially tennis, squash, hockey, basketball, baseball and golf. Born and raised in Thunder Bay, Geoff Hill attended Hammarskjold High School where he was graduation chairman, yearbook staff, member of student council, the math club and charity organizer.

But Geoff Hill is anything but an "average" student. He maintained an A plus average in high school, won the prestigious Presidential Scholarship worth \$10,000 and went on to do something never before accomplished at Lakehead University.

According to the Chairman of the Department of Chemistry, Dr. Alan Hughes, "in my 24-year teaching career it's never been accomplished. It's a remarkable achievement especially in a natural science." What did the first year student do? He earned 100% in his university chemistry course - and then did it again in physics! (Geoff was also taking mathematics, psychology, plant biology and fuel sciences in his first year.)

Geoff argues that he doesn't study as much as he should and doesn't really know how he does it. "It just comes to me," he says with a big grin. "I think I drive the professors crazy with my questions, but I don't believe that you can just memorize the material, you have to understand it. You have to look at the big picture." Admitting that he's driven to do his best, Geoff is not certain about the future. "Chemistry for sure, but I'm not certain what area. I like everything."

Honoraries return to Thunder Bay - and go into space!

Two of LU's honorary degree recipients will return to Thunder Bay to perform on their respective stages and one will be aboard the space shuttle Discovery this month.

John Kim Bell



The Thunder Bay Symphony Orchestra's opening concert of the new year will bring conductor John Kim Bell to Thunder Bay. Acclaimed as Canada's only

native conductor, thirty-seven year old Kim Bell has taken the music world by storm, performing with such luminaries as Lauren Bacall, Carole Lawrence, Natalita Makarova, Vincent Price, Juliet Prowse and the Toronto Symphony. The concert, "From Bernstein to Bell" features the TBSO under the baton of Kim Bell with guitarist Don Ross.

This Seagram Pops event takes place on Saturday, January 18 at 8:00 pm at the Thunder Bay Community Auditorium.

Arthur Black

"Just call me Doctor" Arthur Black is on stage anywhere and will be celebrating his new book "Arthur, Arthur" with public book signings and two special events on campus. Black's third book was released in 1991 by Stoddard Publishing Co. and contains 233 pages of wit and comedy from the master storyteller and host of CBC's *Basic Black*. The University Bookstore will host a "stageside chat" at the OutPost on Monday, February 10 from noon until 1 pm. Later there will be a "Black Tea or Coffee Party" in the Faculty Lounge from 2 until 3 pm. All faculty and staff are invited.

Roberta Bondar

Dr. Roberta Bondar, who received an honorary degree in 1991, will be on the space shuttle Discovery on its 14th flight, scheduled for lift off January 22 from Cape Canaveral, Fla.. Bondar, a neurologist, is preparing to become



Canada's second astronaut and first woman in space. She has been in intensive training for three years to conduct a series of experiments in the new Spacelab inside the shuttle's cargo bay. The mission is scheduled to do dozens of experiments into the effects of near weightlessness on the human body, various life forms and fundamental materials. Bondar was chosen Canadian payload specialist for this mission in early 1990. Bondar has two LU crests with her personal space kit and has promised to return to the campus and share her space adventures.

Duinker Named To Forest Policy Panel

Dr. Peter Duinker, Chair of Forest Management and Policy at Lakehead University, has been appointed Chair of a provincial Forest Policy



Panel. The four member panel was appointed by the Minister of Natural Resources and will develop and recommend a comprehensive forest policy framework by the end of 1992. Duinker is a forest ecologist who has studied the ecological, social and economic consequences of forest decline as well as conflict-prevention and resolution mechanisms in forest-resource management in Ontario. He has also assisted in planning and facilitating a Native Forestry Workshop and sits on many professional associations and committees and is well published in many aspects of forest resource management. Margaret Wanlin of Thunder Bay will

Continued page 9

WHAT'S HAPPENING IN THE LIBRARY!

LIBRARY NEWS

What does it mean to be Canadian? How does Quebec fit into the federation? What sort of self-government should be negotiated for aboriginal groups? These are a few of the questions both Canadians and the federal government have been asking since the collapse of the Meech Lake Accord. In our CODOC Room, which houses Government Publications, you will find federal and provincial documents relating to the current debate on Canada's economic and constitutional future.

Federal reports include:

- . The Citizen's Forum On Canada's Future: Report to the People and Government of Canada (Spicer Commission) (CA1 Z3 91C32)
- . Shaping Canada's Future Together: Proposals (CA1 PV 91S31)
- . Canadian Federalism and Economic Union: Partnership for Prosperity (CA1 PV 91C12)
- . Aboriginal Peoples, Self-Government and Constitutional Reform (CA1 PV 91A16)
- . The History of Canada's Constitutional Development (CA1 PV 91H31)
- . Shared Values: The Canadian Identity (CA1 PV 91S38)
- . Canada at the Crossroads: The Reality Of a New Competitive Environment (by Michael Porter) (CA1 IST 91C11)

Provincial reports include:

- . Belanger-Campeau Report (Quebec) CA1PQ 90P51)
- . Manitoba Constitutional Task Force Report (CA2MA OP 800 90C57)
- . Select Committee on Ontario in Confederation (CA2ON XC2 91051)

The CODOC Room is located on the main floor of the library. For further information contact the information desk at 343-8302 or the government documents librarian at 343-8147.

"A Northern Vision"



"It is like a symphony in the forest when you hear a loon frolicking in the nearby lake and a howling wolf in the distance. The serenity overwhelms the spirit and torches the eardrum to the beat of your heart."

Close your eyes and see A Northern Vision."

These are the words of Northwestern Ontario artist, Roy Kakegamic. Born in 1961 and raised on the Sandy Lake Reserve, Roy is a self-taught artist who has exhibited internationally and Canada-wide since 1976. Working in a variety of media including silk screen, etching and linocuts, Roy's "A Northern Vision", created originally in acrylic on canvas, was commissioned in November 1991 by Lakehead University in celebration of the 19.2 million "Share Our Northern Vision Campaign".

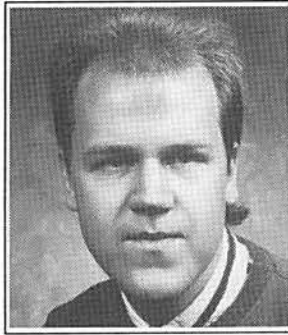


"Sharing the Yuletide Spirit"

It's a good idea that appears to be catching on in the workplace. Employees donate to the "Toys for Tots" campaign rather than participate in an office gift exchange. Staff representatives from the Finance and Registrar's offices are shown above with Ab Covello of the Thunder Bay Fire Department, sponsors of the annual event that helps needy children during the Christmas Season.

Jyrki Helin

Jyrki Helin recently joined the Department of Languages as a technician. Helin moved from Valkeakoski, Finland (20 miles south of Tampere) in May. He spent time in Toronto and visited a friend in Dryden before coming to Thunder Bay. His reason for moving to Canada? "The recession in Finland has hit everyone quite a bit. I couldn't find a decent job so I thought I'd see if I could try my luck in Canada." Helin graduated from a technical college in Finland, a three year program in electronics. As the technician for Languages he takes care of equipment problems - computers, audio-visual equipment, and most notably, the satellite dishes. The dishes pick up stations from across the world and Helin is charged with keeping the information coming in. Helin stays active by playing badminton, cross-country skiing and doing laps in the university pool. He also likes to read "all kinds of things" including books on history and psychology although his favourites follow in the vein of the J.R. Tolkien fantasy series.



Lynn Wilson

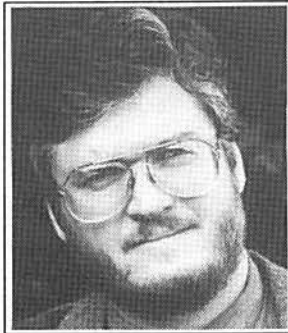


Lynn Wilson is a recent addition to the Information Office and the **AgorA** staff. Born and raised in Thunder Bay, Lynn is a graduate of Hillcrest High School and has taken numerous courses at LU towards a degree in Anthropology. A definite people person, Lynn enjoys the hectic pace of the Information Office. "It's always busy and a constant organizational challenge, but I really enjoy working here." Her unflappable style makes

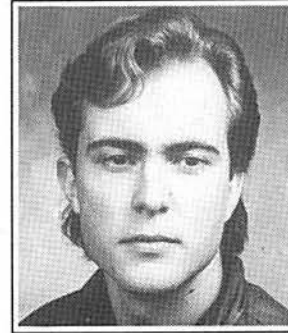
everyone at ease. A veteran of five **AgorA** publications, Lynn is your efficient contact for the Calendar and Publications pages, and pretty much everything else. She is presently a graphics and layout person in training as well - clipping the photos that grace the pages of our publication. When she's not juggling her 5 (yup f i v e !) children, she's pursuing various interests. Photography, gardening and hiking are favourite pursuits. Lynn has also devoted time to CUSO's Thunder Bay/Bunkpurugu twinning project and as part of that, participated in an exchange with Ghana, West Africa. "I really enjoyed the experience and learned so much about the people there. I hope I can return someday soon".

Michael Wesner

Dr. Michael Wesner joined the Department of Psychology in September. Wesner received his undergraduate degree from the University of Wisconsin at Madison where he was involved in research at the Primate Centre. At Washington State University, where Wesner received his PhD., he continued his work with primates, mostly monkeys, studying their visual systems. He also concentrated on human perceptions. He did his post doctoral work at the University of Chicago where he conducted research into higher analysis and colour perception. At Lakehead, Wesner hopes to establish a vision lab where he can research mechanisms of colour perception and physical measurement in human psychology. Although he's beginning to settle in at his new position, Wesner hasn't stayed in one place too long. Each weekend he chalks up more travel points, flying back to Chicago, to visit his wife who continues to work there. When he has a chance to take a bit of a breather, Wesner will look forward to canoeing in the area. He also enjoys his regular scuba diving trip to the Florida Keys each year.



Jason Wigmore



Jason Wigmore is a member of the custodial team for Campus Development. Born and raised in Thunder Bay, Wigmore graduated from Hillcrest High School in 1988. He has worked part-time for the past three summers in Grounds and Housekeeping, and is now working the nightshift full-time. He has continued to take courses at the university and looks forward to enrolling in a few classes in January. Wigmore spends much of his leisure time pursuing various athletic interests. He works out on the Nautilus machines at Confederation College and is an ardent tennis and squash player. In the summer Wigmore plays baseball for a Slo-pitch league and many LU employees have been at the losing end of his skill with a bat - during the President's baseball tournament. With any time he may have left, Jason takes advantage of the family cottage at Amethyst Harbour as much as possible.

RETIREES AND 20-YEAR PIN RECIPIENTS HONOURED



Siegfried Zingel - 25 years
School of Forestry



Annie Pero - 19 years
Print Shop



Bob Cornell - 24 years
Print Shop

ADDITIONAL RETIREES AND 20-YEAR PIN RECIPIENTS 1991

Dr. Koilpillai Charles - 25 years
Department of Economics

Dr. Pei-Mao Li - 11 years
School of Engineering

Mr. Nick Shevchenko - 22 years
Department of Languages

Mrs. Eleanora Bailey - 24 years
School of Education

Dr. Thomas Griffith - 24 years
Instrumentation Laboratory

Dr. Lawrence Korteweg - 22 years
School of Education

Mr. B. Moore - 20 years
Forestry

Professor Bob Day - 20 years
Forestry

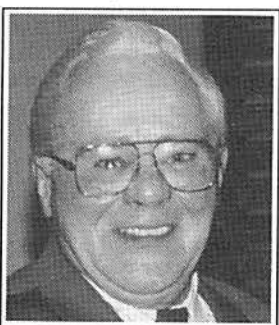
Dr. Gerrit Hazenberg - 20 years
Forestry

Dr. Manfred Kehlenbeck - 20 years
Geology

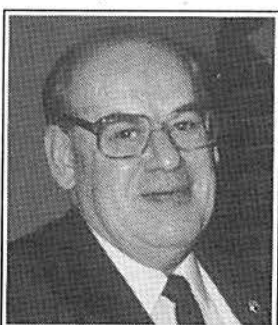
Dr. John Kelleher - 20 years
Education



Marion Muldoon - 13 years
Human Resources



Ted Kurlick - 25 years
Purchasing



James Angus - 22 years
School of Education



Marcia Dilley - 24 years
Department of Psychology



Werden Keeler - 20 years
Physics



Dale Barnes - 20 years
Finance



Linda Wood - 20 years
Student Services



Making a list, checking it twice . . . who better to organize the annual party than the three veterans shown above. If you think AV master John Bonofiglio (left) has been here forever, wrong - only since 1975. Linda Phillips has been the planning power behind many LU events in her 31 years at the University. This year's master of ceremonies Vice-President Whitfield has chalked up 27 years!

RESEARCH AND GRADUATE STUDIES CONTACT NUMBERS

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

RESEARCH NEWS

JANUARY 1992

HEALTH & SOCIAL BEHAVIOUR OF GIRLS: Survey Results Surprising

Nurse researchers Liz Diem and Linda McKay recently released the results of a survey research project which looked at the health and social behaviour of girls. In the winter of 1990, the researchers conducted the survey on 1,416 girls in grades seven to ten in the City of Thunder Bay and the Districts of Kenora and Rainy River. The survey was initiated because an earlier study on infant death rates in the northwest revealed a poorer health status and higher pregnancy rates for adolescent females than those in the remainder of the province.

Results indicated that as one would expect, risk behaviours such as smoking and drinking were consistently reported by a much higher proportion of girls in the higher grades. Concern arises, however, from the extent and degree of the risk behaviour. Alcohol consumption emerged as the behaviour showing the greatest risk: 35% of the 12 to 16 year old girls in this study reported drinking at least monthly compared to 14% of 11 to 17 year old male and females nationally; 37% of the girls in grade ten in this survey reported having five or more drinks at one sitting six times or more, compared to 21% of the girls in grade eleven nationally reporting regularly having five or more drinks at one time. An even greater problem is that very few of the girls who drank felt that their drinking would cause them health problems.

Alternately, and less expected, virtually every behaviour and attitude associated with health and well-being declined as the grade increased. The girls in high school exercised less and ate fewer meals than younger girls and, compared to the same age girls nationally, had lower self-esteem, poorer mental health, and more problems with parents.

Some of the areas of concern found in this study apply to a greater extent to the girls living in the Districts of Kenora and Rainy River and the rural areas around the City of



Researcher Liz Diem confers with Henry Conrad, Program Consultant for the Addiction Research Foundation, after the news conference.

Thunder Bay. For example, there was a higher consumption of alcohol and marijuana, less compliance with vehicle safety practices, and more problems with parents reported by the girls in the district group.

On the positive side, Diem and McKay state that "the study obtained information that could improve the timing, content, and delivery methods of specific health programs such as drug awareness, sexuality, and physical activity. The findings also indicate that a community approach would likely be the best way to reduce the risk behaviour of these girls. Hopefully this study will provide direction and incentive for the institutions and residents of Northwestern Ontario to work together to improve the health related behaviours and attitudes of some of our most vulnerable residents, adolescent girls".

This study was made possible with funding from Lakehead University's Centre for Northern Studies. Copies of the report with detailed survey results can be obtained by contacting Prof. Liz Diem at ext. 8247.

IRAP PROGRAM FOSTERS INDUSTRIAL R&D

The Industrial Research Assistance Program (IRAP) is the branch of the National Research Council, that works directly with Canadian firms, to help improve their technical competency. Assistance is delivered through a network of Industrial Technology Advisors across Canada, with Northwestern Ontario served by the IRAP representative, Mr. Doug Stone, at Lakehead University. Lakehead's IRAP office is located at Innovation North (CB-4106).

IRAP promotes the acquisition, development and use of technology by firms in the manufacturing, resource and service industries. This is accomplished both by providing direct technical advice through the IRAP network and by

finding the acquisition or development of technical knowledge. This technical knowledge may be obtained from the research expertise housed at Lakehead University.

IRAP funding mechanisms have recently been redefined into two elements: "Technology Acquisition and Development", for project contributions of less than \$15,000, and "Research Development and Adaptation", for project contributions up to \$350,000. These elements can utilize the same resources as the previous (IRAP-H, L, M) programs; engineering, science and technical students, consulting and research organizations and company in-house personnel. The new programs offer more flexibility and scope than previously and will enhance service to companies.

Companies which have recently received funding assistance through the IRAP office at Lakehead University include:

Rainy River Preserves Company	- Stratton, Ontario
V.B. Cook Company Limited	- Thunder Bay, Ontario
Handcrafted Cabinets	- Thunder Bay, Ontario
Shoal Lake Wild Rice Ltd.	- Keewatin, Ontario
Vanderwees Greenhouse Inc.	- Thunder Bay, Ontario
Kagiowasa Monomin Inc.	- Wabigoon, Ontario
Showerwall Industries Inc.	- Thunder Bay, Ontario
Red Lake Seaplane Services	- Red Lake, Ontario
Lehnhoft Better Wall Systems	- Kenora, Ontario

IRAP can be instrumental in assisting companies improve their competitiveness. The network of Industrial Technology Advisors represents all research institutes, universities, NRC laboratories and industrial technical establishments across Canada. This is both an electronic and personal contact network and is likely the most effective in the country.

The IRAP office at Lakehead University welcomes inquiries from interested companies throughout the Northwest and university researchers. They also make house calls! Contact Doug Stone at (807) 343-8124.

RESEARCH GRANTS AWARDED



Dr. Azim Mallik, Department of Biology and Mr. Don Barnes, Biology Graduate Student have been awarded a University Research Incentive Fund (URIF) grant from the Ministry of Colleges and Universities for a collaborative research project entitled, "Determining the Ecological Factors Related to Beaver Dam Site Selection in Northern Ontario". The URIF program matches dollar for dollar investments made by the private sector into university research. Ducks Unlimited Canada is the collaborating partner and will provide the matching funds for the project over a two year period.



Dr. Lada Malek, Department of Biology has also been awarded a URIF grant from the Ministry of Colleges and Universities to complement the existing collaborative research relationship which exists between Lakehead University and the Thunder Bay Tree Seedling Growers Association. Dr. Malek proposes to undertake research which will look at tree seedling stress physiology and quality analysis.



RESEARCH OPPORTUNITIES

ECO-RESEARCH: A GREEN PLAN PROGRAM

Environment Canada and the three federal granting councils - NSERC, SSHRC and MRC - have jointly introduced a new program to support advanced Canadian Research and training in environmental studies. Funding for this program - a total of \$50 million over six years - is being provided as part of Canada's Green Plan, which was announced by the federal

government in December 1990, and which stressed, among other recommendations, the immediate need for improved post-secondary training opportunities in environmental fields. The Eco-Research program will consist of three main components: research grants, university faculty chairs, and doctoral fellowships. Funding will be phased as follows: \$500,000 in 1991-92; \$4 million in 1992-93; \$9.5 million in 1993-94; and \$12 million in each of the next three years.

Research Grants

This component will support in-depth studies of one or more Canadian ecosystems affected by local, regional or global environmental change. Human activity is understood to be included in the ecosystem definition. Change to ecosystems resulting from human activity may be the appropriate starting point of the research. Proposals must be holistic and cross-disciplinary in approach. They may address fundamental theoretical and methodological issues related to the study of ecosystems and must demonstrate the potential to contribute to the formulation of improved environmental policies and practices.

Two types of grants are available:

1) Development Grants assist applicants in preparing their research proposals. They defray the costs associated with coordinating or assembling cross-disciplinary teams of researchers, forging cross-institutional alliances where appropriate, and developing the integrated research program for which major support will be sought. The development grant may not be used for research itself. These grants may be particularly valuable to small, isolated institutions (like Lakehead University) or to institutions planning to establish a network or consortium for the execution of the major research project. Value of Grant: \$25,000 maximum over 6 months.

2) Research Grants support major research programs or undertakings. Postdoctoral fellowships are available as part of these grants.

To be eligible, applications must be submitted by cross-disciplinary teams, led by university researchers. Research proposals must integrate the perspectives of the human sciences, the natural sciences and engineering and/or the health sciences. Collaboration with private and public sector policy makers and partnerships between post-secondary, public and private institutions are encouraged.

To apply for a Research Grant, researchers must submit a 10 page letter of intent (which may include a request for a Development Grant) to the Tri-Council Secretariat at SSHRC. Only those applicants whose letters receive the peer review committee's approval will be invited to submit a full research grant proposal. **Deadline for submitting letters of intent: February 29, 1992.** Full applications for research grants will be due October 15, 1992.

Due to limited space, deadlines for the University Research Chair Program and Postdoctoral fellowships program are detailed in the UPCOMING DEADLINES section of the this month's RESEARCH NEWS. For further information, please contact the Office of Research and Graduate Studies at ext. 8223.

ENVIRONMENTAL YOUTH CORPS PROGRAM

The Environmental Youth Corps (EYC) Program gives youth between the ages of 15 and 24 an opportunity to work on projects that contribute to improving the environment in their own communities. EYC will provide funding for youth employment in projects sponsored by various non-profit organizations.

The objectives of the program are:

- to contribute to conservation, environmental protection and effective resource management;
- to provide young people with an opportunity to be positive contributors to environmental protection, enhancement and advocacy;
- to provide skills training for participants; and
- to increase young peoples awareness of environmental occupations and help to develop an environmentally conscientious culture.

Projects must be directly related to EYC program objectives. Eligible projects will create positions for youth. **Deadline: February 14, 1992.**

LAIDLAW FOUNDATION

The Laidlaw Foundation allocates its resources to experimental and research projects, studies, and other activities that: 1) enhance the quality of life for disadvantaged children and families across Canada; 2) enrich the quality, vitality, and diversity of the performing arts in Ontario; 3) preserve the natural heritage of the Great Lakes ecosystem; and 4) advance legal scholarship and research at Canadian Universities.

To achieve these goals, the Foundation offers grants in the following programme fields:

- Child and Family Programme
- Performing Arts Programme
- Great Lakes Conservation Programme
- Laidlaw Fellowship for Advanced Studies in Law
- Community-based Discretionary Grants

For further information on the Laidlaw Foundation, please contact Jo-Anne Silverman, Foundations Officer at Ext. 8910.

ALLAN ROEHER INSTITUTE

Research Grants in Mental Handicap

The G. Allan Roeher Institute is offering research grants to associates, associations and agencies. These grants are worth up to \$8,000 each. The purpose of these grants is to enable principal researchers to examine issues affecting people with a mental handicap. Funding for research assistants and equipment is not provided through this program. **The deadline for submitting proposals is April 30, 1992.**

The following areas constitute research priorities for the programme:

1. Issues affecting people who have severe mental handicaps and multiple handicaps (involvement in community activities, educational programmes and teaching techniques, support to people in their home, programmes and resources for families and programmes and resources for community agencies).
2. Integration of people who have mental handicaps, where they live, learn and work.
3. Prevention.
4. Strategies for social change that improve the quality of life of persons who have mental handicaps, including impact of policy on individuals.

Scottish Rite Charitable Foundation Major Research Grants

Funds are available through the G. Allan Roeher Institute for the purpose of offering research grants for studies in the area of mental handicap. These grants are worth up to \$35,000 each. A broad range of academic disciplines are eligible where the study itself has implications for the field of mental handicap, including Alzheimer's Disease. Grants may be for a period of one, two or three years. **Deadline: April 30, 1992**

AUCC/DEPARTMENT OF NATIONAL DEFENCE

Military and Strategic Studies Research Awards

This program will support strategic studies relevant to current and future Canadian national security problems, including their political, international, historical, social, military, industrial and economic dimensions. Strategic studies comprise an attempt to understand the relationship between the total resources available to Canada and the achievement of its national objectives in the face of external opposition, particularly when a degree of force, actual or implied, may be involved. Within this broad framework, applications demonstrating relevance to current or future Canadian strategic issues are encouraged from a wide range of disciplines.

Research grants of up to \$7,500 are awarded. These grants may be used to cover direct research expenses or to purchase "release time" from teaching. Five grants will be distributed in the upcoming year for a duration of 12 months. **Deadline: February 1, 1992.**

European Community Visitors Programme (ECVP)

The European Community's Visitors Programme invites young leaders from countries outside the European Community to visit Europe to gain a first-hand appreciation of the EC's goals, policies, achievements and peoples. A further aim is to increase mutual understanding between professionals from non-EC countries and their EC counterparts. Since 1974 approximately 500 study grants have been awarded.

Those eligible to participate are young leaders in their late 20's to late 30's and who are working in the following milieu: government (all levels), electronic and print media, trade unionists, academics and provincial or national associations. Participants are required to have completed their university education or equivalent training and to have been employed for several years in their chosen career field.

An ECVP grant consists of a 2 week individually tailored programme enabling the recipient to visit the EC Institutions in Brussels, Luxembourg and Strasbourg. In addition, grantees may visit one other EC Member State of their choice. All travel and meetings are arranged by the ECVP. Travel and subsistence costs are covered by the ECVP. **Deadline for receipt of applications for the 1993 programme is March 1, 1992.**

CIDA

NGO Fund for Children in Difficult Circumstances

The purpose of the fund is to support creative and experimental local approaches to alleviating the conditions of Children in Difficult Circumstances (CIDC) in developing countries, and to document and disseminate information on lessons learned. An important component of the Fund is the promotion of agency linkages which will broaden the base for exchange of knowledge and ideas and ultimately enrich the quality of programming of organizations working with CIDC. CIDC include: street children, child labourers, neglected/abused children, child prostitutes and children exploited by drug dealers. Proposals must comprise new approaches which may involve pilot activities or, where appropriate, replication of innovative activities which have had successful results elsewhere. **Deadline: Open.**

UPCOMING DEADLINE DATES

NSERC Programs

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

SSHRC Programs

Aid to Occasional Scholarly Conferences in Canada - July 1, November 1, April 1
Canadian Research Institutes Abroad - April 1, 1992
Strategic Partnership Development Grants - November 1, January 15, April 15
SSHRC/Department of Communications Joint Initiative; Research on Cultural Development in an Open Economy - February 7, 1992
Strengthening of Specialized Research Collections - April 1, 1992
Travel Grants for International Representation - April 1, July 1, and November 1.

SENATE RESEARCH COMMITTEE

NSERC Internal Research Grants

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

SSHRC Internal Research Grants

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

OTHER RESEARCH PROGRAMS

Calgary Institute for the Humanities: Senior Research Fellowships - February 14, 1992
Canada-ASEAN Centre; Academic Institutional Support Fund - January 15, 1992
Canadian Red Cross - Career Development Fellowship Awards 92-93 - Jan 15, 1992
CIDA Professional Awards - January 15, 1992 and April 30, 1992
Educational Centre for Aging and Health; Fellowships/Bursaries - January 1, April 1, July 1, October 1.
European Community Visitors Programme (ECVP) - March 1, 1992.
Environmental Youth Corps Program - February 14, 1992.
Green Plan (Tri-Council): Eco-Research Program
- Research Grants: letter of intent - February 29, 1992; full applications - October 15, 1992.
- University Research Chairs - May 15, 1992 and January 15, 1993
- Postdoctoral Fellowships - June 15, 1992 and November 15, 1992
G. Allan Roeher Institute: Research Grants in Mental Handicap - April 30, 1992; Scottish Rite Major Research Grants in Mental Handicap - April 30, 1992
Lakehead University/McMaster Link: Northern Ontario Health Research Grants - February 28, 1992.
L.S.B. Leakey Foundation - November 1 and February 1
National Research Council - Laboratories Research

Associateships -Open

National Defence, Department of Military and Strategic Studies
Research Awards - February 1, 1992.
Ontario Ministry of Agriculture and Food: Pest Management Program - February 21, 1992.
Ontario Ministry of the Environment: Environmental Research Program - January 15, 1992 and Environmental Technologies Program - April 30, 1992 and October 30, 1992.
Ontario Ministry of Health - Nursing Innovation Fund - January 1, May 1, September 1
Ontario Ministry of Transportation: Highway Safety Research Grant Program - January 31, 1992.
Ontario-Quebec University Exchange Program - January 13, 1992
Rick Hansen/Man in Motion Legacy Fund; Spinal Cord Research Grants - February 1, 1992
Sport Canada; Sport Research Program - February 1, 1992
University of Windsor Humanities Research Group: Visiting Humanities Fellowship - February 28, 1992.
World Wildlife Endangered Species Recovery Fund - January 1, April 1, July 1, October 1

GRADUATE SCHOLARSHIP OPPORTUNITIES

Canada Memorial Foundation - February 29, 1992
CIDA Awards for Canadians - February 12, 1992
John G. Bene Fellowship in Social Forestry - January 15, 1992
Government of Canada Awards - Deadlines vary by country
International Space University 1992 - January 15, 1992
Izaak Walton Killam Memorial Scholarships - February 1, 1991
Young Researchers Award - Open

Funding Announced

Announced during National Science and Technology Week, funding for Science Culture Canada programs will be \$1.8 million for 1991-92. To take advantage of the funding available through Science Culture Canada, projects must promote public awareness of science and technology, stimulate public interest towards everyday applications of science and technology, open dialogue between scientists and laypeople and, above all, encourage young Canadians to become interested in science and technology. Requests for project funding from established organizations or individuals sponsored by established organizations are screened twice yearly, on April 15 and October 15. Requests for general funding and basic funding for youth are screened on April 15. Information and application forms are available from Science Culture Canada, Elise Boisjoli, Directorate General of Scientific Programs, Supply and Services Canada, 12C1, Phase III, Place du Portage, Hull, Quebec, K1A 0S5, (819) 956-1772.

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

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

People/Papers/Publications Special Projects/Awards

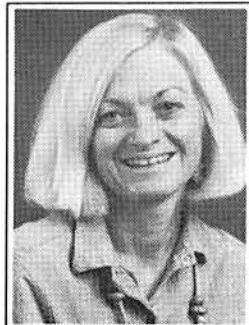
Dr. Gerd Schroeter, Professor of Sociology, participated in a conference commemorating the centenary of the birth of the sociologist Theodor Geiger, held in Braunschweig, Germany, November 7-9: he presented a paper focusing on Geiger's journalistic writings in Danish newspapers during the years 1946-1948. An article Schroeter published in the *Journal of the History of the Behavioral Sciences* in 1980 will be included in a volume tentatively entitled "Max Weber: Critical Assessments One" (Routledge).

Dr. Said Easa, Professor in Civil Engineering, has been appointed chairman of the Transportation Planning Committee of the American Society of Civil Engineers, effective November 1, 1991. The purpose of this committee is to advance the planning and programming for urban transportation by correlation and exchange of information on experience and results. Over the next several years, this 23-member committee will, among other activities, find the status and identify future directions of transportation planning in North America. Dr. Easa has also been invited to serve on the Highway Geometric Design Committee of the Transportation Research Board, U.S. National Research Council (NRC), effective November 6, 1991. The NRC is the principal operating agency of the National Academy of Sciences and Engineering to serve the federal government and other organizations.

Dr. Lisle Thomson, Associate Professor, School of Outdoor Recreation, Parks and Tourism attended the Third Global Congress of Heritage Interpretation International "Joining Hands for Quality Tourism" in Honolulu, Hawaii November 3-8, 1991. Dr. Thomson presented the paper "Perceived environmental behaviours among backcountry travellers." Videotapes of summaries of all presentations are available for viewing by calling Lisle Thomson at ext. 8753.

Dr. Jeanette Lynes, Assistant Professor of English, presented two papers in November. Dr. Lynes' first paper, given at the Midwest Modern Language Association annual conference in Chicago, examined the work of Robert Kroetsch and Margaret Laurence as part of a session on "Representation of Ethnic Minorities in 'Mainstream' Canadian Texts." Her second paper, presented at the Association for Canadian Studies in the United States Conference in Boston, was entitled "Divining and Rememorying: The Problem of the Past in Margaret Laurence's *Diviners* and Toni Morrison's *Beloved*."

Dr. Jane Taylor, Assistant Professor, School of Physical Education and Athletics, attended the annual conference of the Canadian Association on Gerontology in Toronto in October, where she presented a paper with Professor Mary Lou Kelley, Department of Social Work, entitled "Elder's health careers: Implications for long term care." In November, she presented a paper on "Implicit knowledge of movement intelligence" at the 8th International Symposium on Adapted Physical Activity in Miami Beach, Florida. In January, Dr. Taylor will be taking registrations for the Motor Development Clinic. The clinic will offer 2 classes each week for 9 weeks, to children aged 5 to 14 who have movement learning difficulties. To register a child or obtain further information, contact Dr. Taylor at 343-8752.



New AUCC Study Examines Faculty Shortages

The supply of qualified faculty during the 1990s will be insufficient to meet the demand, according to a recent AUCC study entitled *Averting Faculty Shortages*. However, critical shortages of university teachers will be felt in a number of disciplines, with the projected increases in the number of PhD graduates varying according to discipline.

Based on data from Statistics Canada, the study examines the functioning and prospects of the academic labour market for full-time faculty.

Retirement is not the only reason professors leave, the study found. Academics are part of a wider national and international labour market for highly qualified personnel. Canadian universities will therefore need to cope with the impact of changes in these markets in their search to attract and retain professors.

To avoid faculty shortages, universities will need to maintain and increase the market share of PhD graduates they hire, continue to expand PhD programs (particularly in the natural sciences) and reduce the number of faculty leaving for reasons other than retirement. The study concludes that action is required now to avoid these shortages, which could threaten the quality of university education in Canada and our ability to compete globally in the 21st century. Copies of the study are available from AUCC, Publications. 151 Slater St., Ottawa Ont. K1P 5N1; tel (613) 563-1236.

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Breaking Through the Borders: Exchange Students at Lakehead University



The European Contingent: from left to right, Kaspar Kotake, Rebecca Sjoberg, Jaakko Seppala and Jan Stibane.

In the 1987 Academic Plan, the need to expand the university's formal and informal external academic relations was identified as a priority. Since that time, the university has focused its formal bilateral university agreements in international activities in three major areas: circumpolar universities, forestry exchanges in China, Nepal and Ethiopia and linkages with the University of Minnesota-Duluth. To date fourteen formal agreements have been signed with universities in ten countries. The agreements include faculty and student exchanges, joint research projects and other mutual activities.

This year Lakehead University welcomed 14 students from the University of Lapland, the University of Oulu, Finland, Lulea University, Sweden and Tyumen University, Russia. The university also welcomed two faculty exchanges. Dr. Tatu Leinonen from the University of Oulu was at Lakehead for the first semester, teaching courses in Mechanical Engineering. Professor Sergei Marochkin, from the Law Faculty at Tyumen University taught courses in the Department of History. The Ontario Ministry of Colleges and Universities and the Baden-Wurtemberg Ministerium fur Wissenschaft und Kunst (MWK) of Germany recently signed an agreement which matches universities from each jurisdiction based on the existence of formal institutional partnerships, size, program availability and regard for overall balance and equity. A student from the

University of Konstanz and one from the University of Ulm are attending Lakehead University as part of this agreement.

The Department of Continuing Education, under the guiding hand of Distance Education Co-ordinator Gwen Wojda, has been given the responsibility of administering the exchange programmes.

The Agora interviewed a "cross-section" of exchange students a few months ago to discuss the similarities and differences, their likes and dislikes of the different institutions and what made them decide to participate in a Lakehead University exchange.

Rebecca Sjoberg, from Lulea University in Northern Sweden, is in her fourth year of Computer Science and Engineering. "When I started university I heard about exchange programs with Scotland, Canada, the United States, Germany and France. I travelled in Africa one summer and met someone from Grimsby, Ontario. It made me want to go to Canada and improve my English."

Kaspar Kotake, also from Lulea and a student in his third year of Teacher Education, wanted to experience another country and have the opportunity to teach in another school system. Jaakko Seppala, from the University of Oulu, a student of Civil Engineering, came to Lakehead simply because it was the only place that was offered as an exchange. "It really didn't matter what place, just North America, to learn English. Canada and Finland seem like

similar countries - the same problems are here. It's interesting to see how things are done in different places." Jan Stibane, in his fourth year of Math and Computer Science, is from the University of Ulm. His main reason for applying for the exchange is similar to the others, "the language. I wanted to study in an English-speaking country."

How do the students find the Canadian university system? For the most part they like it, although the style of teaching and course selection differs from their own. Kaspar finds the teacher education programme very different. In Sweden the idea of a specific subject "major" does not exist. The school system in Canada is different as well. "I think that different ways of doing things is interesting. I'm not sure if one is better than the other but I like seeing alternative styles of teaching. What the teachers teach in Sweden and Canada is very similar, but the order in which they teach it is not." Jaakko believes that the biggest difference for him is the way in which professors teach the classes in Canada. "Here the professors explain the theory and show examples. In Finland you learn the theory but don't see it practised. You have to study very hard to understand it." Jan doesn't see much of a difference in his courses. "Professors do explain much more though. In Germany they only write the information on the board and it is up to you to know it and understand it."

Are there any fundamental differences between Canadian students and students from other countries? The answer, according to this crew, is wholeheartedly YES. Kaspar finds the students, especially in residence, to be decidedly less mature than their counterparts in Sweden. Why is that? "In Sweden we don't pay tuition fees so we don't depend on our parents for an education. We break away from them at a younger age and make our own way. Canadians have to rely on their parents more. Maybe this is a reason why they seem younger." In Finland and Sweden students have to pass an examination before they are admitted into university. "It is very difficult" says Jaakko, "but it makes you work hard in school, you appreciate it more."

The students may find it easier to evaluate their experiences once they return home. There is consensus that the exchange has been worthwhile and other interested students will now be able to hear about life at a Canadian university.

Forest Panel

from page 3

serve as co-chair and add her experience in the socio-economic issues of Northern communities through her work at Quetico Centre. She has also worked with Aboriginal peoples, labour unions and community organizations. Duinker says the Panel will come together, develop a plan of action and make people of the province aware of it. He argues that consultation is critical and the panel will consult widely with groups such as industry, labour, forest communities, environmental groups, academics, first nations and other aboriginal groups, recreational and commercial organizations, Ontario ministries and other governments and the general public. The panel report will recommend policy to the government and be available to the public.

COUNSELLING & CAREER CENTRE SEMINARS AND WORKSHOPS - Winter 1992

To register contact the Counselling & Career Centre - UC 1002

TIME MANAGEMENT - 100 persons

6:30 pm. to 8:30 pm.

Tuesday, January 14/92 - LI 5005.

RESUME WRITING - 10 -15 persons

6:30 pm. - 8:30 pm.

Part 1 - Thursday, January 16/92 - LI 5005

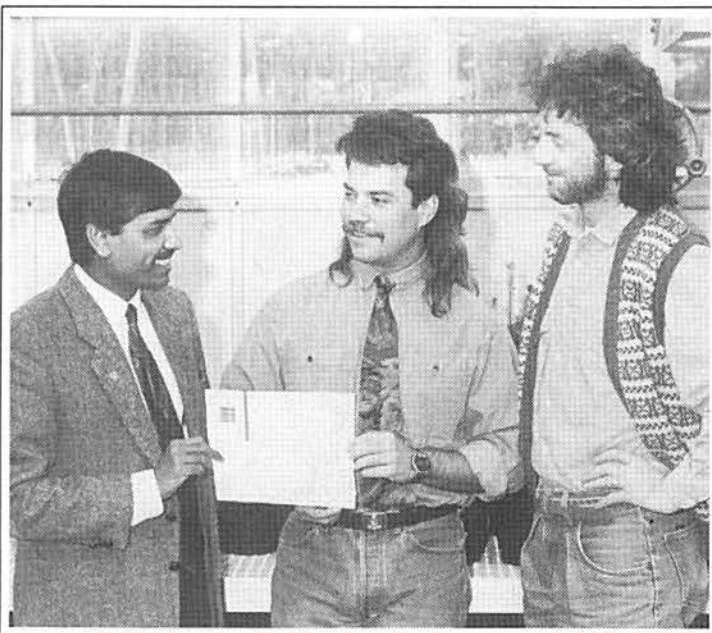
Part 2 - Thursday, January 23/92 - LI 5005

COMMUNICATION TRAINING - 10 persons

6:30 pm. to 8:30 pm.

Part 1 - Monday, January 27/92 - LI 5005

Part 2 - Monday, February 3/92 - LI 5005.



Mr. Brian Bedford, a student in both the BSc and HBOR programmes has been awarded the Provincial Chapter of Ontario IODE Applied Ecology Award of \$750.00. The award is given to student who meets the principles of ecological study and portrays his commitment to preserving the environment. Dr. Mallik, Department of Biology, presents Brian with a cheque and certificate as Dr. D.W. Robinson, School of Outdoor Recreation, Parks & Tourism looks on.

Project to Improve Conditions for Women Studying Engineering

Ontario universities will receive funding to develop and conduct workshops to improve the conditions for women studying engineering. Colleges and Universities Minister Richard Allen announced.

The project is part of a \$1.5 million initiative announced last May to improve the environment for women in postsecondary institutions.

"Men's attitudes towards women must change. Through educational workshops like these, we should be able to improve conditions for women studying in our engineering faculties so that we can attract more of them to this very rewarding field of study", said Dr. Allen.

The goal of the workshops is to change the attitudes towards women of faculty, students and administrative staff at engineering school. In addition, the workshops should promote a greater appreciation of government and university supported initiatives to combat sexual harassment and promote equity.

The project was developed through consultations with universities, representatives from faculties of engineering, and women in engineering.

A total of \$50,000 is available for this project. Ministry funding will be allocated to each institution on a shared cost basis of up to 50 per cent of the project amount and will depend on the number of engineering students studying at the institution.

The following institutions will be eligible to receive funding for the project: Carleton, Guelph, Lakehead, Laurentian, McMaster, Ottawa, Queen's, Toronto, Waterloo, Western, Windsor and Ryerson.



Ideas
On CBC Stereo
Sundays 7:05 pm

Sunday, January 12

THE SLEEP OF REASON

The Romantics get their turn: people who lace their personal feelings into the heart of their lives and enter a world driven by imagination. From Goethe's *Werther* to Chopin to Shelley.

Sunday, January 19

MUSIC OF THE FUTURE

The Lord says in *Faust*: "This companion purposely I give, who stirs, excites, and must, as devil, work!" The thoughts are music of "companions" Berlioz, Liszt and Wagner.

Sunday, January 26

MY OWN, NATIVE LAND

From Sir Walter Scott's *The Lady of the Last Minstrel* to Smetana's *"My Country"*, this program captures the true romantics yearning for a homeland - real or imaginary.

Sunday, February 2

DOWN WITH THE RENAISSANCE!

A hazy, gauzy, romantic Gothic twilight surrounded poet Dante Gabriel Rossetti and the other Pre-Raphaelites who saw beauty in a past peopled by the likes of King Arthur and his knights and *"The Blessed Damosel."*

Sunday, February 9

TELL ME A STORY

Some Romantic musicians felt that music tells a story - or at the very least, deserves a title. In this program, stories about stories-within-stories in the best Romantic tradition.

Gotcha!

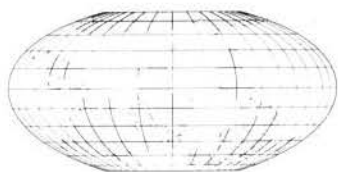
The lighter side of university life.





At the Christmas Party Vice-President John Whitfield asked Santa for a little guidance with the Academic Plan. From the framework identified in the *Issues Paper*, he's getting all the help he needs.

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(807) 343-8748 Regional Educational
Centre 0009

Last Writes

by Katherine Shedden

There's a cartoon in my office showing a row of sheep with the big bad wolf disguised as one of them and the cutline, "Who's afraid of the big idea, the big idea". It's my reminder not to be afraid to try something new, to give an idea air space and listen more attentively to the ideas of others.

There are two rather mild-mannered but determined teachers in Thunder Bay who decided to do something with their idea and found the right person to implement their proposal.

Meet Donna McNally and Georgina Green, Thunder Bay educators who know a lot about how children learn, and don't learn, to read. Both are experienced and well-respected teachers who used sabbatical leaves to complete their masters in areas related to reading. They initiated a reading intervention pilot project with the Lakehead Board of Education modelled on the program of New Zealand researcher Maria Clay. The results were dramatic and these women knew that the program had the potential to change the lives of countless numbers of children who cannot read or are at risk.

In an over-simplified description, the program involves identifying children who are at risk, and placing them in a one-to-one tutorial for 30 minutes every day, building on the background and existing reading strategies which the child possesses and introducing a systematic and varied set of diverse tools they can use. (It was quite surprising to discover that phonics is near the bottom of the list). According to statistics, about 85% of school children will learn to read *in spite of* the reading program they are exposed to. Their specially designed program focuses on the students at risk - the ones moving through the system who are not learning to read.

Green and McNally presented their idea of teaching a course on reading intervention to the right person. Bob Welsh, Coordinator of Continuing Teacher Education, loved the idea and quickly identified that their proposal already met the Ministry Guidelines. Reading 4624 has been listed in the University calendar since 1976 but is now finally being offered with Part II to follow in the fall of 1992.

The ending? Reading 4624 is happily underway with McNally and Green instructing 20 excited teachers every Tuesday night in the Bora Laskin Building. In turn, these teachers take

back their enthusiasm and new knowledge to their colleagues and principals. Best of all, as a result of the tutorial component of this course, twenty "at risk" students are receiving a daily 30 minutes of "reading recovery".

Today, a little 7-year old, who two months ago could not read 10 words, finished her little book and looked up and announced jubilantly, "I can read!"

She's got the idea. Thank you, Donna and Georgina and Bob.

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