

Lakehead  
UNIVERSITY

# Agora

A NEWSLETTER FOR LAKEHEAD UNIVERSITY STAFF & FACULTY

## Athletes of the Year



Photo: Rob Linke

*Ria Diening and Aaron Coutts have at least two things in common -- good grades and a passion for cross-country running.*

*This year Diening won the OUAA 1000 meter event and finished ninth in the CIAU Championships. She was named Lakehead's Female Athlete of the Year.*

*Coutts was an OUA Champion, a First Team OUA All-Star, and placed third in the CIAU Wrestling championships this year. He was named Male Athlete of the Year.*

*The Athletics Banquet is held every year to celebrate student athletes in Club and Varsity sports.*

## Senate to Consider Academic Structure

*by Frances Harding*

On April 25, 2000, the Lakehead University Senate will debate recommendations put forth by two committees formed to consider academic restructuring -- the Student Committee to Review Academic Structure and the Committee to Review Academic Structure.

The latter was established by Dr. Mary Louise Hill, the vice-president (academic) and provost, in response to a priority 1 objective in the *Lakehead University Strategic Plan, 1999-2004*.

The Committee to Review Academic Structure is composed of nine senior faculty members from across the University and it is recommending that Lakehead be reorganized into seven faculties:

-- a **Faculty of Liberal Arts**, to include: Anthropology, English, History, Indigenous Learning, Languages, Library & Information Studies, Music, Philosophy, Political Science, Sociology, Visual Arts, Women's Studies;

-- a **Faculty of Science**, to include: Biology, Chemistry, Geology, Mathematics & Statistics, Physics;

-- a **Faculty of Social, Behavioural and Health Studies**, to include: Gerontology, Kinesiology, Nursing, Psychology, Social Work;

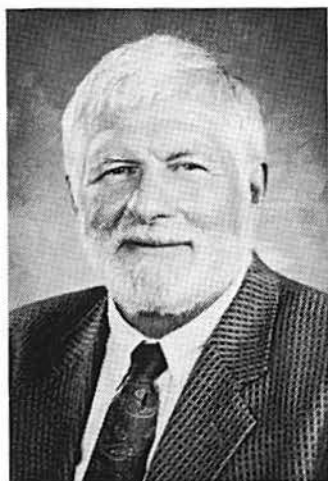
-- a **Faculty of Environmental Studies and Forestry**, to include: Geography, Outdoor Recreation, Parks and Tourism, Forestry and the Forest Environment;

-- a **Faculty of Engineering and Computer Science**, to include: Chemical Engineering, Civil Engineering, Computer Science, Electrical Engineering, Mechanical Engineering, and Software Engineering;

-- a **Faculty of Business Administration and Economics**, and,

-- a **Faculty of Education**

*continued on page 7*



**Dr. Frederick F. Gilbert**  
President

## Government Funding 2000-01

- 1% Enrolment Access  
(\$16.5 M)
- 1% Performance Indicators  
(\$16.5 M)
- 2% Tuition Increase  
(5 years total 10%)

## Key Performance Indicators

- \* Degree Completion
- \* Employment  
(6 months after graduation)
- \* Employment  
(2 years after graduation)

## Enrolment Access

- Increase in first-year enrolment  
as well as  
an overall increase in  
total enrolment

# From the President's Desk

by Dr. Frederick F. Gilbert

At the Open Budget Meeting held on April 11, I shared with members of the University community my thoughts on the new realities brought on by the recent funding announcement by the government of Ontario. Annual tuition increases will be capped at 2% over the next five years and new funding for the 2000-01 academic year will be limited to 2% and tied to key performance indicators and enrolment access.

At the outset, let me stress that implementation of these comparative indicators for funding purposes in their current form will have a negative impact on Lakehead University and the system as a whole.

There are serious flaws with the methodology being used and not enough attention is being paid to economic and geographic factors which have a considerable influence on key performance indicators such as employment.

### Key Performance Indicators Envelope

The division of \$16.5 million in new funding which is tied to key performance indicators will happen this way: universities will be ranked into three groups according to the rate at which their students complete their degrees and find employment six months and two years after graduation. Those universities that find themselves ranked in the top one-third of the group will get *twice as much funding as those in the middle third*, and those universities ranked in the bottom one-third will get *no funding at all* from the envelope!

### Enrolment Access Envelope

The enrolment access envelope contains \$16.5 million in new funding. To qualify for these funds a university will have to *increase* its first-year intake and, to obtain any funds, report an *overall increase in total enrolment*.

While Lakehead hopes to see an increase in its first-year enrolment for 2000-01, access to this funding will be tempered by the fact that our expected total enrolment for 2000-01 will be lower because of our declining enrolment pattern over the past five years and the impact of flow-throughs as students complete their programs.

### Effect on Lakehead University

This year's funding represents a significant change in government policy and it will adversely affect Lakehead University. Instead of a 2% increase in funding, we will receive an increase of just 0.3%. Instead of contemplating a 7% increase in tuition, we are looking now at an overall increase in the neighbourhood of 3% (when we take our unused allowance from prior years).

### Staying the Course

How will these facts affect the budget for 2000-01?

We are proposing that Lakehead University "stay the course" so as not to jeopardize a very fragile recovery which I believe is under way. This means we will be asking the Board of Governors to approve a budget with a deficit of \$418,000 and to temporarily postpone the requirement to pay off the accumulated debt.

The key point to remember is that next year, for the first time in six years, Lakehead is expecting to see an *increase* in first-year enrolment.

With the Advanced Technology and Academic Centre, Lakehead will have the capacity to grow, and it will grow as we focus our efforts and begin to realize the effectiveness and efficiencies brought on by academic and administrative restructuring. Nevertheless, the continuing issue remains: what can be done about the many Lakehead students who are currently unfunded by the province?

*continued on page 3*

*President continued from page 2*

### Presenting Our Case

Lakehead University has made numerous presentations on this issue to the Minister of Training, Colleges and Universities and I believe there is an understanding that Lakehead is the most severely impacted institution within the system. But the search for a solution continues.

As recently as April 7, 2000, I wrote to Minister Dianne Cunningham expressing my concerns about the very negative impact both the key performance indicators envelope and the access envelope will have on Lakehead, saying:

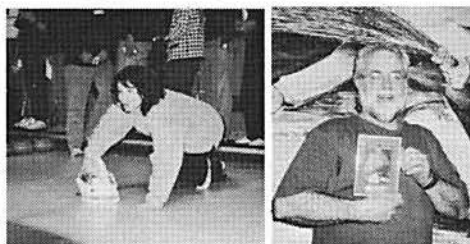
*Institutions such as Lakehead that have responded to access issues and have moved outside the corridor may well languish as other institutions strive to acquire resources from the envelope. We are concerned that our enrolment [growth] may suffer comparatively, as occurred during the last accessibility initiative, and that we will garner insufficient income from the envelope even as we contend with the continuing liability of our unfunded BIUs....*

*The implementation of these comparative indicators for funding purposes in their current form will have an impact on the Ontario university system that in the long term will do considerable damage. It will invite invidious comparison that will serve only to tier the system and harm the reputation of universities such as Lakehead University that are doing a commendable job with excellent outcomes and it will reward universities that by happenstance are in an area of high economic development or employ very selective admission practices.*

We will continue to press our case and demonstrate the critical importance of Lakehead as a major partner in a socioeconomic resurgence of northwestern Ontario.

## Alumni Curling 'Fund' Spiel

The 17th Annual Alumni Association Curling "Fund"spiel held March 24, 2000 attracted 128 curlers and raised approximately \$4,500 for scholarships and bursaries. As usual the Country Good Meats Turkey Draw was a popular event with first, second and third place awards going to Randy Meredith, Murray Hunter and Denise Bruley (below).



Ken Sundell (above) was presented with a special award for service on the Lakehead University Alumni Curling Committee.

Special thanks to volunteer organizer Dave McGowan and the major sponsors MBNA Canada Bank and The North West Life Assurance Company of Canada.

## Student Juried Art Exhibition



Painting instructor Mo Trainor (left) chats with Eleanor Albanese, one of the many award-winning students whose work was exhibited this year at the Thunder Bay Art Gallery.

Approximately \$4,100 in prizes and awards were distributed thanks to the generosity of donors.

## Early Registration



New this year -- more than 2,000 students took advantage of early registration during the week of March 22-31. Returning students were able to pick up their registration packages as well as a copy of the 2000-01 Calendar.

## International Days



Lakehead celebrated International Days in March with a variety of events including the Parade of Nations, an international film festival, an international fair and silent auction, the Global Change Game, an international dance Series, and seminars including one on tax preparation for international students.

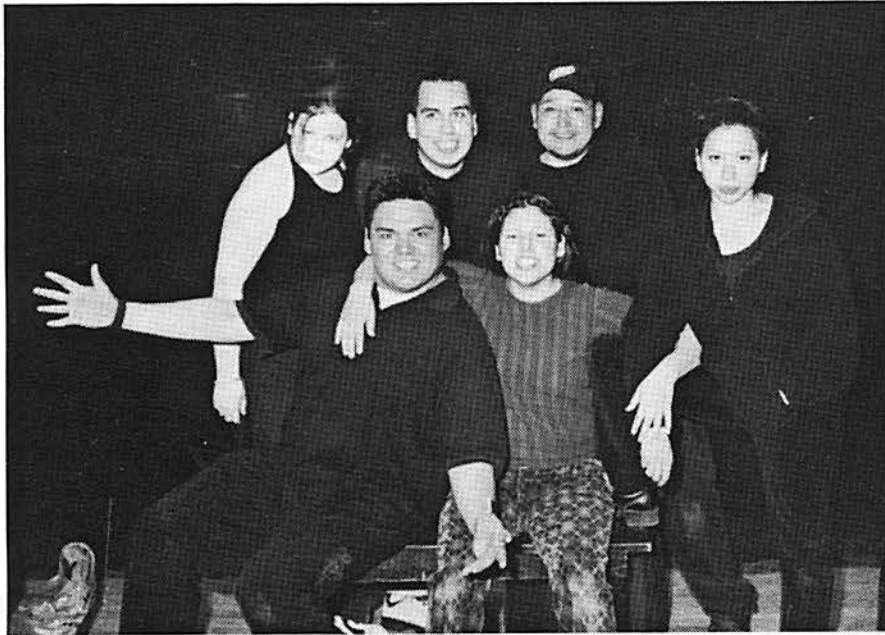
The Alumni Association of  
Lakehead University  
invites you to attend its  
**Annual General Meeting**  
7:00 p.m.

Thursday, May 4, 2000  
Avila Centre Cafeteria

Symposium 6:30 p.m. Meeting 7:00 p.m.

**Guest Speaker: Dr. Livio DiMatteo**  
Department of Economics

## Northern Spirit Ensemble



(l-r) Jen Seib, Bob Narcise, Pierre Guerard, Martha Troin, Duncan Gagnon Jr., and Gloria Pelleril

Members of the Northern Spirit Ensemble staged their first production in the Bora Laskin Auditorium at the end of March.

Martha Troin, a first-year Indigenous Learning student, conceived the idea for an Aboriginal theatre group to refuel her interest in dramatic arts and to give her peers a creative outlet. "Native people have a lot to share," she says.

The show featured monologues, skits and improvisations, some of which were based on student writing. Troin is looking forward to continuing the project next year and says she is considering mounting a production of Tomson Highway's *The Rez Sisters*.

## SSHRC 2000-2001 Competition Results

Lakehead University is pleased to announce its successful applicant in this year's Social Sciences and Humanities Research Council competition. **Dr. Todd Dufresne** (Philosophy) was awarded a three-year research grant under the new scholar category for his application entitled: "An Introduction to Critical Freud Studies." Dufresne was awarded a total of \$65,620 over the three years of his grant. These funds will enable him to travel to Toronto, New York, Washington, London and Florence to conduct archival research and to interview some of the main figures in his field.

The Office of Graduate Studies and Research would also like to acknowledge two Faculty of Education researchers, **Dr. Zeng Lin** ("Liberal or Vocational Education? An Analysis of University Graduates' Views") and **Dr. Juanita A. Ross Epp** ("School Violence in Canada") who had applications that were placed on SSHRC's reversionary list (the applications were recommended but not funded due to lack of funds).

## Recommended Reading: Northern Social Work Collection

Four books from Lakehead University's Centre for Northern Studies Northern Social Work Collection are being used as resource material for a social work course being delivered by the University of Calgary. The course is designed to serve northern and rural areas of Alberta. The books are:

*Social Work with Rural & Northern Communities*, Delaney, R., Brownlee, K. & Sellick, M. (Eds.) (1999)

*Strategies for Northern Social Work Practice*, Brownlee, K., Delaney, R. & Graham, J. (Eds.) (1997)

*Issues in Northern Social Work Practice* Delaney, R., Brownlee, K. & Zapf, M. K. (Eds.) (1996)

*Northern Social Work Practice*, Delaney, R. & Brownlee, K. (Eds.) (1995)

Another book, *Canadian Social Policy* (Prentice Hall 2000), which is coauthored by John Graham (formerly of Lakehead University, now at the University of Calgary), Karen Swift (York University) and Dr. Roger Delaney, was released in January 2000 and has already sold over 250 copies.

## LUSU to Host Canadian Academic Roundtable

Lakehead will welcome student leaders from colleges and universities across Canada when it hosts the Canadian Academic Roundtable, June 12-16, 2000.

One of the guest speakers will be Ann Dowsett Johnston, editor of the *Maclean's Guide to Canadian Universities*.

According to LUSU President Brent Evans, the biennial conference is a non-partisan initiative which enables students to share ideas on a variety of topics.

## NSERC Awards for 2000-2001

The Natural Science and Engineering Research Council (NSERC) recently announced the results of their annual research grants competition. Total NSERC funding to Lakehead continues to show an increase. During the 1999-2000 research and equipment grants competition, \$880,971 worth of grants were received by researchers at Lakehead University. For this past competition, the total was \$986,135. This represents an increase of \$105,164, or 11.9%. At present, there are 40 NSERC holders at Lakehead. This represents 47% of the total eligible faculty at Lakehead. The following is a list of all NSERC recipients at Lakehead University who were successful in the 2000-2001 research and equipment grants competition:

### FACULTY OF ARTS AND SCIENCE

#### Department of Biology

S.J. Hecnar, "Species Richness and Spatial Dynamics in Amphibians," \$15,750, research grant (year 2 of 4 (2/4))

M.W. Lankester, "Impact of Parasites and Disease on Northern Animals," \$26,188, research grant (1/4)

A.U. Mallik, "Induction and Release of Retrogressive Succession After Fire in Kalmia-Black Spruce Communities," \$19,000, research grant (1/4)

D.W. Morris, "The Evolution and Importance of Habitat Selection," \$47,355, research grant (4/4)

#### Department of Chemistry

J.T. Banks, "Solution Photochemistry of Short-Lived Organic Molecules," \$30,000, research grant (2/3)

C. Gottardo, "The Photochemistry of Compounds Which Contain Heteroatoms," \$30,000, research grant (2/3)

S.D. Kinrade, "Aqueous Chemistry of Silicon," \$38,115, research grant (3/4)

N.A. Weir, "Studies of Photochemistry and Photodegradation of Polymers," \$23,100, research grant (3/3)

#### Department of Computer Science

A. Ngom, "Multiple-Valued Logic Neural Networks and DNA Sequences Corrections," \$10,000, research grant (1/2)

X. Li, "An Abstract Machine for High Performance Logic Programming," \$16,170, research grant (4/4)

#### Department of Geology

G.J. Borradaile, "Rock Magnetism and Deformation," \$62,300, research grant (1/4)

G.J. Borradaile, "Thermal Demagnetiser to Determine Precise Unblocking Temperatures," \$32,339, equipment grant (1/1)

P.W. Fralick, "Paleogeographic Reconstruction of Mesoproterozoic Terrains in Western Superior Province," \$17,556, research grant (4/4)

R.H. Mitchell, "Petrology of Kimberlites and Alkaline Rocks," \$86,625, research grant (5/6)

#### Department of Mathematics and Statistics

C.T. Hoang, "Graph Colouring and Visibility Graphs," \$14,700, research grant (2/4)

W. Huang, "Job Scheduling Problems in Modern Manufacturing Systems and Management Science," \$9,702, research grant (2/4)

T. Miao, "Amenability of Locally Compact Groups and Geometric Properties of  $Ap(G)$ ," \$13,650, research grant (2/4)

D. Li, "Asymptotic Behaviour in Stochastic Modelling," \$15,000, research grant (1/4)

#### Department of Physics

M.M. Dignam, "Coherence in Semiconductor Nanostructures/Erbium-Doped Fiber Amplifiers and Lasers," \$26,565, research grant (4/4)

M.C. Gallagher, "Heteroepitaxy of Ultrathin Films of Metals and Metal Oxides," \$28,875, research grant (4/4)

M.H. Hawton, "Photo-Matter Interactions," \$15,000, research grant (1/4)

W.J. Keeler, "Ultrafast Ti: Sapphire Laser Applications," \$16,300, research grant (1/4)

W.M. Sears, "The Electrical Properties of the Surface-Gas Interface of Wide Band Gap Semiconductors," \$13,398, research grants (4/4)

#### Department of Psychology

C.A.G. Hayman, "Episodic Memory as a Source of Cognitive Binding," \$20,790, research grant (4/4)

### FACULTY OF EDUCATION

J.T. O'Sullivan, "Developments in Children's Beliefs About Long-Term Memory," \$23,100, research grant (4/4)

### FACULTY OF ENGINEERING

#### Department of Chemical Engineering

L.J.J. Catalan, "Studies in Stabilisation/Solidification of Industrial Waste," \$19,000, research grant (1/4)

L.J. Garred, "Mathematical Modelling Studies in Renal Failure Patients," \$17,903, research grant (4/4)

A. Gilbert, "Optimizing Control of Kraft Mill Processes," \$21,945, research grant (3/4)

I. Nirdosh, "Solid-Liquid Mass Transfer Applications," \$23,909, research grant (3/5)

#### Department of Civil Engineering

S.M. Easa, "3-D Highway Geometric Design Consistency," \$28,875, research grant (3/4)

D.K. Eigenbrod, "Shaft Resistance of Piles in Sand During Loading in Tension and Compression," \$14,700, research grant (2/4)

S.A. Mirza, "Strength and Stiffness of Slender Composite Steel-Concrete Beam-Columns," \$19,520, research grant (3/4)

U.S. Panu, "Development of Group Based Hydrologic Data Infilling Procedures," \$14,000, research grant (1/4)

#### Department of Electrical Engineering

K. Natarajan, "Model Reference Adaptive Control in the Frequency Domain," \$23,310, research grant (2/4)

#### Department of Mechanical Engineering

K. Liu, "Identification of Linear Time-Varying Systems: Dynamic Behaviour, Algorithms, and Applications," \$16,170, research grant (4/4)

M. Liu, "Transformation Matrices for Finite Element Analysis of Plates and Shells With Structural Discontinuities," \$13,737, research grant (3/4)

H.T. Saliba, "Theoretical and Experimental Stability and Vibration Analysis of Plates and Structures," \$18,480, research grant (4/4)

A. Sedov, "Modeling the Ultrasonic Inspection of Complex Components," \$10,300, research grant (1/3)

### FACULTY OF FORESTRY AND THE FOREST ENVIRONMENT

Q.L. Dang, "Interacting Effects of Soil Conditions on Ecophysiological Traits and their Responses to Changing Aboveground Environment in Boreal Tree Species," \$34,073, research grant (3/4)

W.H. Parker, "Development of a GIS Methodology to Determine Breeding Zones for Second Generation Tree Programs," \$19,635, research grant (3/4)

### OFFICE OF GRADUATE STUDIES AND RESEARCH

M.L. Howe, "Development of Retention and Reasoning," \$39,000, research grant (1/4)

## Academic Structure

*continued from page 1*

According to Dr. Mary Louise Hill, the proposed organizational structure responds to the needs within the University and the external factors which will determine Lakehead's ability to survive and grow in the immediate future. It also sends a strong message of adaptation and renewal to the community at large.

Members appointed to the Committee to Review Academic Structure were: Dr. B. Archibald (Business Administration), Dr. K. Brown (Forestry & the Forest Environment), Dr. M.C. Courtland (Education), Dr. A. Gilbert (Chemical Engineering), Dr. M. Hasegawa (Computer Science), Dr. M. Johnston (Outdoor Recreation, Parks & Tourism), Prof. M. Kelley (Social Work), Dr. M. Lankester (Biology), and Dr. B. Muirhead (History).

*The Student Report, the Report of the Committee to Review Academic Structure, and the President's Report to Senate can be found on the Lakehead University Web site:*

*<<http://www.lakeheadu.ca/~lusec/senate.html>>*

### IN MEMORIAM

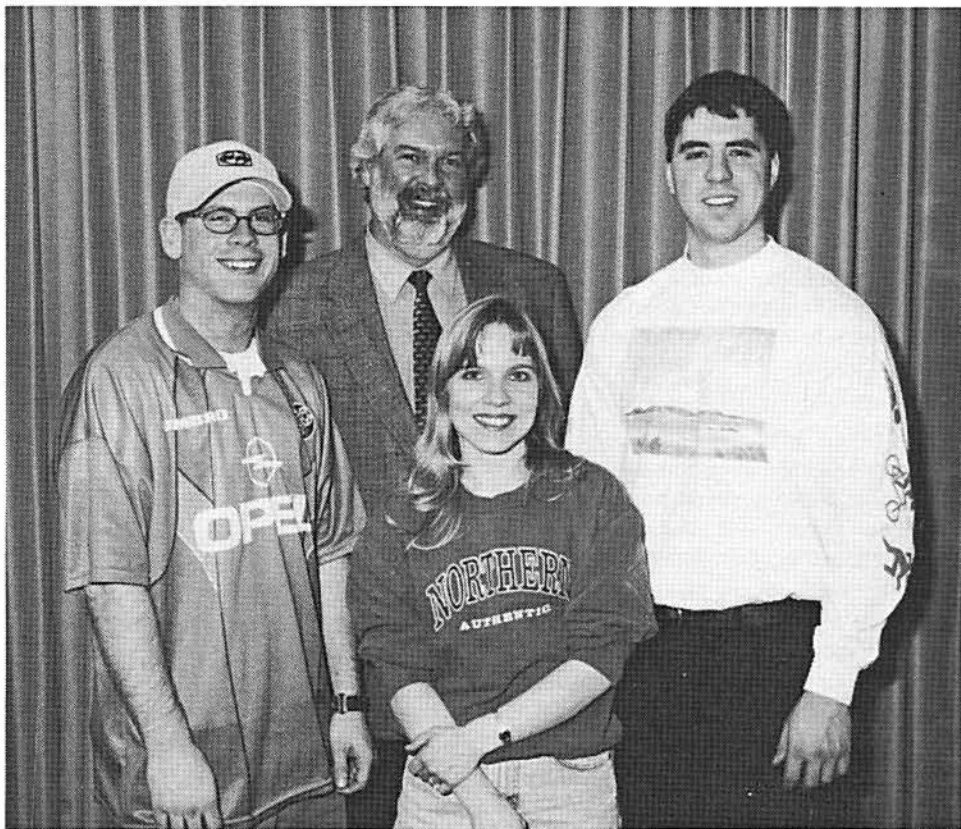
#### Professor Don Richardson

Professor Don Richardson, Faculty of Forestry and the Forest Environment, passed away on April 11, 2000 following a brief illness.

Richardson started at Lakehead University in 1970 and held a position in the Faculty until his health began to deteriorate in March of this year.

Richardson was a member of the Ontario Professional Foresters Association and the Canadian Institute of Geomatics. He enjoyed camping, fishing and was an avid curler.

Don Richardson is survived by his wife Elsie, daughter Lindsey and four sons: Tyler, Logan, Dee Jay and Eldon.



**Professor Ken Hartviksen with this year's winners: first place Jason Chuchman (right), second place Melanie Loukusa, and third place Ryan Davis (left)**

## Giving Back

### Business Grad Chris Fernyc Funds Student Competition

Chris Fernyc has done well since graduating in 1997. Now a successful small cap investment analyst with Bisset and Associates in Calgary, he has found a unique way to give something back to his Alma Mater.

With the help of Professor Ken Hartviksen, Fernyc has set up an annual competition for third-year finance students. The competition takes the form of a class assignment that involves analysing companies and making investment recommendations -- not unlike Fernyc's own work as a financial analyst.

Fernyc then reads the students' reports, selects the top three, and provides them with cash awards of \$500, \$300, and \$200. Along the way, he takes part in a teleconference to discuss the students' papers and answer general questions about finance and investment.

"Chris Fernyc graduated as the gold medallist (or highest ranking student) in the Honours Bachelor of Commerce Degree Program in 1997," says Hartviksen. "And he placed second overall in the Canada-wide TD Investment Challenge in this third year of the Commerce Program.

"We are extremely proud of Chris's accomplishments and are grateful for his on-going commitment to the Faculty of Business Administration. Succeeding generations of finance students will be inspired by his example and his generosity."

# Mark your Calendars...

## Forest Sustainability - Beyond 2000 Building a Common Vision for Canada's Forests

*Forest Sustainability - Beyond 2000* is a millennial conference that is bringing together forest sector leaders and professionals from across Canada. The conference is being held in Thunder Bay, Ontario from May 14 to 18, 2000.

The objectives of *Forest Sustainability - Beyond 2000* are:

**To present current developments in science, technology, forest practices and policy, and society and stewardship, as they relate to the goal of sustainable forests;**

**To provide an opportunity for discussion and interaction that will foster a common vision for our forests among conference participants and the interests they represent.**

The conference is being hosted by a variety of organizations with an interest in promoting sustainable forest management in Canada. The conference is being co-chaired by Dr. David Euler, dean of Forestry and the Forest Environment and Barry Waito, vice president of the Canadian Forestry Association (CFA) and the Canadian Region Forest Resources Manager for Louisiana-Pacific Canada Ltd.

The following groups are also on the conference steering committee: Forest Capital of Canada 2000, Ontario Ministry of Natural Resources, Canadian Woodlands Forum, Wildlife Habitat Canada, Canadian Forest Service, Sustainable Forest Management Network, Canadian Institute of Forestry, Ontario Professional Foresters

Association and the National Aboriginal Forestry Association.

**Sunday May 14** - Business meetings and related events, Local Tours, Canadian Forestry Association 100th Anniversary tree plant, Opening Registration, Icebreaker

**Monday May 15** - Opening Ceremonies, Plenary, Concurrent Theme Sessions, Displays, Posters and Trade Show, Conference Banquet

**Tuesday May 16** - Optional Canadian Institute of Forestry Breakfast, Concurrent Theme Sessions, Afternoon Focus on Displays, Posters & Trade Show, Public Debate

**Wed. May 17** - Concurrent and Workshop Sessions, Displays, Posters, Trade Shows Closing Plenary and Panel Discussions, Optional Ontario Professional Forestry Banquet

**Thursday May 18** - Business Meetings and Related Events, Professional and Local Tours

For more information about participating in the conference, please contact:

Frances Bennett-Sutton, Conference Coordinator

Telephone: (807) 622-8228

E-mail: [fsb2000@flash.lakeheadu.ca](mailto:fsb2000@flash.lakeheadu.ca)

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[www.forconfor2000.org](http://www.forconfor2000.org)

**Deadline for the Next Issue**

**May 1, 2000**

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[www.lakeheadu.ca](http://www.lakeheadu.ca)

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- campus events
- university publications

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## Lakehead UNIVERSITY

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