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See you in September

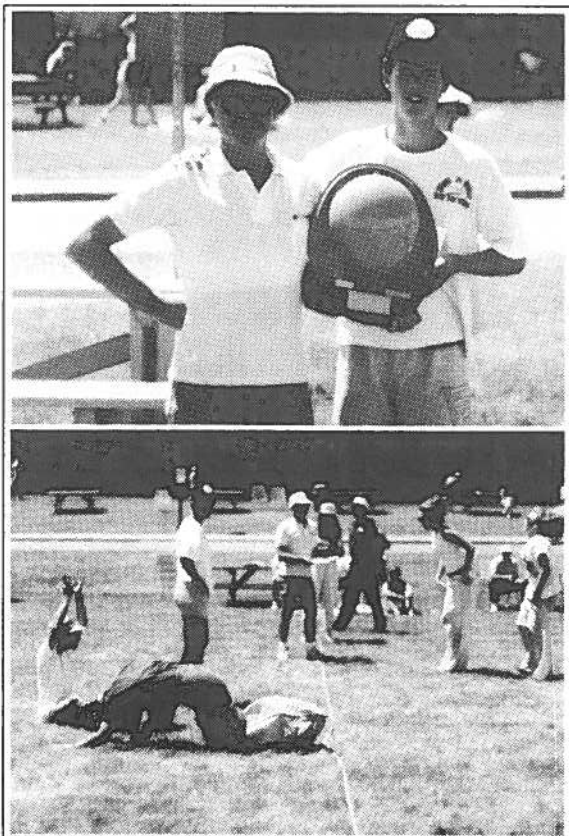
Lakehead University Agora

THUNDER BAY, ONTARIO VOL. 8. NO.7

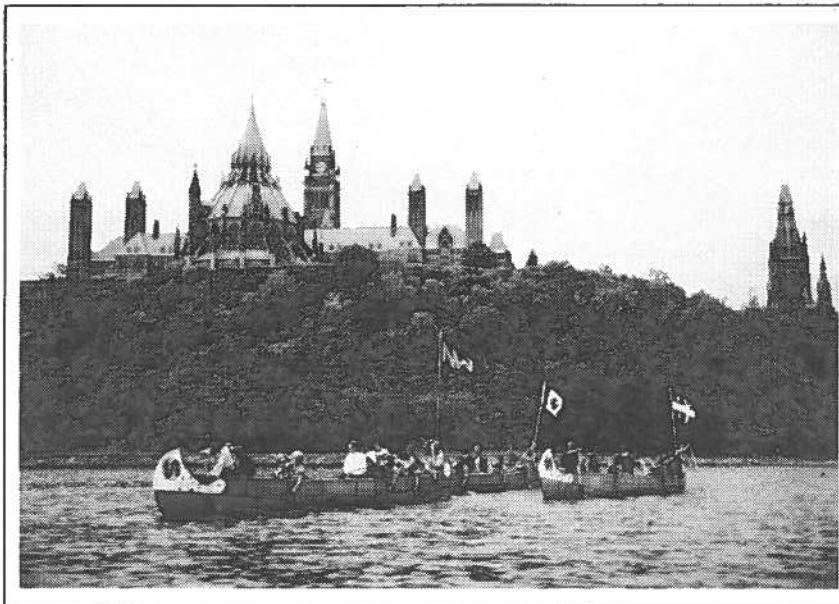
JULY 1991

Ah, summertime!

They hopped in their sacks, swam in the pool, showed off babies, enjoyed a big barbeque and basically had a great time at the 5th annual Lakehead University Community Council summer picnic. Organizer Norma Gibson said that the event keeps growing in popularity with 350 attending this year. She credits the success to "lots of volunteer help". One of the most exciting events was the raw egg toss which has become a friendly grudge match between the Sebesta and Walsh families. An amazing record of 148 feet, held by Adam and Ian Walsh, was not broken this year despite the valiant throws of Frank Sebesta and his son Ian. Grant Walsh pointed out the benefits of having the water balloon toss *after* the egg toss but he wasn't convinced his wife, Kathy, was simply trying to wash off the egg when she fired the water balloon at his head.



Frank Sebesta and son Ian take home the water balloon trophy; other activities included sack races, fish pond and serious eating.



NEARLY HOME:

Expedition passes half-way mark

It is truly a triumphant return to the Lakehead by the 40-member team of modern-day voyageurs retracing the 200-year old route of Alexander Mackenzie. By the time Expedition leader Jim Smithers, the ground crew and 36 paddlers, arrive at Old Fort William, they will have paddled almost 2,000 kilometres since their departure from Lachine, Quebec on May 20. They have battled 5-foot swells on the water, fought off mosquitoes and every other assortment of flying and crawling insect, endured the blistering sun, cold winds, rain and aching muscles. But they have also enjoyed true Canadian hospitality at communities along the route. Including their school presentations in May, more than 20,000 people have heard their "Stay in School" message which has been delivered by song, button and brochure. The expedition is one of the initiatives sponsored by the Ministry of State for Youth aimed at reducing the alarming 30% student drop out rate.

Now the team faces their most exciting challenge . . . to paddle up the Kaministiquia River and arrive in time for the Great Rendezvous. The group has invited everyone to meet them at the wharf at Old Fort William or join them on the water in a canoe or kayak (motor boats not permitted) and paddle with them for the arrival on Saturday, July 20 at 2 pm. Departure for the last leg of the trip is on July 25 with an estimated August 23 arrival in Winnipeg. In the photograph above, the three 36-foot Montreal canoe replicas are seen in front of the Parliament Buildings in Ottawa.



Report From the President



Dr. Bob Rosehart

More Construction

Recently, T. Jones Construction was awarded the contract to build the new \$2.2 million Music and Visual Arts Building. The Jones' Firm submitted the lowest of 7 bids in the tendering process and construction is underway for completion in March of 1992. The project architect is Len Wood. The facility will greatly enhance the opportunities on campus in the areas of Visual Arts and Music. As well, we have received word recently from M.C.U. that the Honours Music Program has received funding approval at the 2 BIU level and, as well, our Music Program has now been recognized by the national body that reviews university-based music programs.

On the townhouse front, construction has started on the final 2 units of Phase II of the project. With these additional 48 beds, in total, 144 beds will be added to our student residence inventory for Fall of 1991. Indications are strong from the Registrar's Office that we will have no trouble filling the beds. The units are being constructed by MNT with Graham, Bacon, Welter as Architects.

Share our Northern Vision Campaign

The campaign is progressing nicely and the official kick-off will be later this year. The faculty/staff component of the Campaign is currently at \$170,000 and growing. The internal response has been excellent, to date, and further reinforces our position with respect to seeking external support. I have started to make corporate calls and, in spite of the obvious recession, our Campaign is being well received. While we have a long way to go, the work has begun in earnest.

Special Presidential Committee

In an earlier column, I discussed the need to stand back and look at the undergraduate learning environment at Lakehead University. We pride ourselves on our relatively small size, student/faculty interaction, etc., but are there aspects of our activities that we

could do better? As well, are we responding to the changing social and demographic mix of our student body? To independently review the undergraduate learning environment, I have struck, after much input and suggestions from the Senate Committee on Teaching and Learning, the Director of Students Services, and Vice-President Whitfield, a special three-person Presidential Committee. This group will be chaired by Dr. Alastair Macdonald, Professor of Biology, and includes Cassandra Koenen, Vice-President Academic of L.U.S.U. and Simone Laatu, a member of the Lakehead University Alumni. The committee will be seeking input from all sectors of the University, and I encourage your participation in their work.

Smoking Policy

With the opening of the new Student Centre in September, the final phase of the Smoking Policy will be put into place. Smoking will be banned from all parts of the campus with the exception of the Student Centre Events Hall and restaurant area which is equipped with a special high volume exhaust air system. Included in the new non-smoking areas will be the student cafeterias and the faculty lounge. If funding is available in the future, an

additional designated smoking area will be considered, but it is difficult to justify the spending of public or student fee money on such facilities. I would like to thank the Smoking Committee for their input over the past two years.

Pets on Campus

The Occupational Health and Safety Committee has advised me that there are occurrences of individuals bringing pets on campus and either tying them to some rigid structure outside or bringing them into buildings and, in some cases, into private offices. These practices are contrary to University policy since there are possible adverse effects to others. We ask for your cooperation in this regard.

Students will be asked to respect this courtesy at registration time.

September 91

September is like spring to a university president but, instead of the smell of flowers, the air is filled with the aroma of hundreds of hamburgers being cooked for Year 1 students. A busy orientation program is being planned for our students this year which will include the opening of our new Student Centre.

P.S. Remember that the EAP is there to help you - take advantage!

Presidential Scholars: "Outstanding young Canadians"



Maryka, left, and Colleen both chose Outdoor Recreation, Parks and Tourism and were awarded \$32,000 in scholarships.

Maryka Sennema, from Windsor, and Colleen MacLean from Lower Sackville, New Brunswick, have been awarded the \$10,000 Presidential Scholarships for 1991-92. These scholarships are awarded annually on the basis of academic excellence, interests and activities involving leadership, community service and a personal interview. Both students will also receive a \$6,000 Entrance Award of Academic Excellence. President Rosehart said that "these scholars are truly outstanding young Canadians that the university is pleased to welcome".

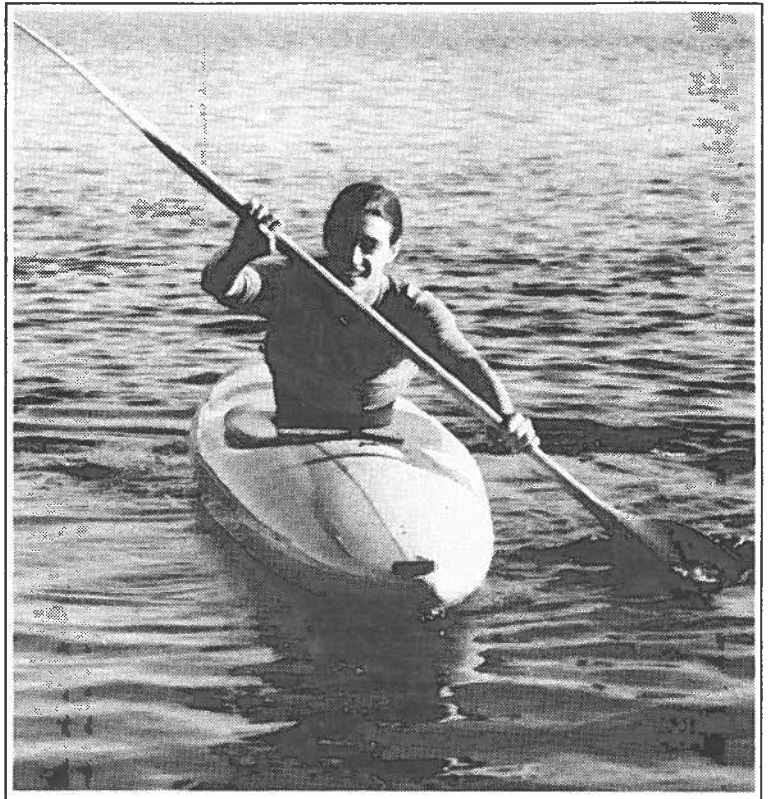
Maryka will take a four-year double degree in Outdoor Recreation, Parks and Tourism and Geography which fits in nicely with her long-term goal of an education doctorate and "managing an outdoor centre designed to meet the needs of children". Her list of awards and accomplishments is extensive and includes: honour roll, junior counsellor at a YMCA camp, captain of the swim team, co-editor of the school newspaper, exchange student to Quebec and an active member of the Habitat 2000 program, an environmental group.

Colleen will add a science degree to her recreational studies. Her activities include highland dance, public speaking, band member, science projects, fitness and volunteer work. She has represented the Girl Guides of Canada in Mexico at an International Youth Conference and received her All-Canada Cord. To be eligible for this university scholarship, applicants must have a 90% average which both students have been able to maintain throughout high school. They must also maintain an 'A' average during their university studies.

Around Campus

STUDENT OFF TO SIBERIA

Sean Isaac, 2nd year student in Outdoor Recreation, Parks and Tourism, has been selected as one of only two Canadians going to Siberia to kayak on the oldest, deepest freshwater lake in the world. The 18-year old student is the youngest member of the 9-member Superior-Baikal Connect, a project linking Lake Superior and Lake Baikal in the Soviet Union. The expedition is sponsored by the Lake Superior Centre in Duluth and the Sputnik Adventure Club in Moscow. The North American team will visit Lake Baikal for six weeks this July and August. In 1992 nine Soviets will make a reciprocal visit to Lake Superior. His Canadian colleague is Mike Jones, a naturalist with the Ministry of Natural Resources. The trip is more than a kayaking adventure, although half the circumnavigation of the two "great" lakes will be done by sea kayak. Members of the team are interested in fostering respect and understanding of the international significance of the lakes, to discuss common environmental issues and to encourage people to experience first-hand the wonders of these amazing waters. Sean thinks he might have impressed the selection committee with his five years kayaking experience, three years canoeing, his course studies and the support of his professors and the university, "and of course, having lived and paddled on the Bay of Fundy!"



NATIVE LANGUAGE PROGRAMS AT RECORD HIGH

They come from communities across Ontario, Michigan, Wisconsin, Minnesota, Manitoba and Quebec. This summer more than 200 students are enrolled in a number of Native Language programs offered by Lakehead University. The programs appeal to people of all ages. The youngest student in the children's Native as a Second Language program is four years old and the eldest in the Native Language Teacher's Certificate Program, is sixty-nine. Two dialects of Ojibwe and Cree are offered in the Algonquian component; Mohawk and Cayuga are offered in the Iroquian component.

The purpose of the program is three-fold - to introduce, to maintain and to strengthen Native Language. While some students are fluent in their Native language and have enrolled to become Native teachers, some participants are returning to Lakehead to take advanced courses. The unique children's program provides opportunities to learn Native as a Second Language as well as explore cultural aspects of the language groups. For the first time Iroquian students will take part in the Native Language Instructor's Program. Many elders have been invited to participate and share their knowledge with the students. They include: Alex Skead, Walter Linklater, Richard Lyons, David Ogema and Freda McDonald. Co-ordinator of the Native Language Instructor's program is Barbara Toye-Welsh.

CONCURRENT PROGRAM IN MUSIC AND ARTS ADMINISTRATION OUTGROWTH OF VISION 2000 AND FIRST OF ITS KIND IN CANADA

For the first time in Canada, a student can earn an Honours Bachelor of Arts (Music) degree and a diploma in Arts Administration in two thirds the time it would normally take to complete both programs. Within just four years a student can graduate with a degree from Lakehead University and a diploma from Confederation College. Both institutions collaborated to offer this concurrent program which will begin in September 1991.

A prescribed series of subjects is required to meet the degree/diploma requirements. Students will be enrolled at and attend both institutions to study and practise music and arts administration. Included in the summer of second or third and fourth years are two major field placement semesters.

According to Shelley Crawford, Arts Administration Program Director at the College and Dr. Glen Carruthers, Chairman of the Department of Music, there are many advantages to the new concurrent program: enhanced career opportunities beyond those of music performance, composition, arranging, education and post-graduate studies, qualification to enter the arts administration field at a middle management level, the opportunity to network during field placements at such organizations as orchestras, artist management companies, choral or opera companies, arts councils, festivals, in fact, all areas of marketing, fundraising, touring, public relations and production. Students may also choose to work in any performing arts discipline or enter the museum, heritage or visual arts fields.

This program was selected because it was smaller and more manageable, but both institutions are currently working on plans to have future concurrent programs.

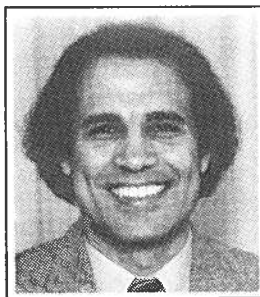
Host Families Needed

Continuing Education is still looking for host families to sponsor students from Gifu, Japan this summer. The home stay is scheduled from August 10-23. Contact Kathy McGowan, Program Co-ordinator at 343-8078 for more information.

People, Papers/Publications Special Projects/Awards

Publications

Dr. Said Easa, Professor in Civil Engineering, is the author of a state-of-the-art paper entitled "Traffic Assignment and Practice: Overview and Guidelines for Users", Transportation Engineering Journal, American Society of Civil Engineers (ASCE), Vol. 117, No. 6. This paper is part of a series sponsored by the Transportation Planning Committee of ASCE.



The paper reviews the basic elements of trip assignment (a major phase in transportation planning), synthesizes various practical problems that may be faced by the users of traffic assignment models, and presents guidelines on how to resolve these problems. Dr. Easa is currently preparing another paper on trip distribution which is part of the series.

Three faculty members of the Political Studies department were in Kingston in early June of this year giving papers at the Annual General Meeting of the Canadian Political Science Association. Assistant Professor **James Mellon** presented a paper on "The American Catholic Bishops' 1983 Pastoral on War and Peace in Political-Strategic Context", Assistant Professor **Gary Munro** presented a paper on "The American Impact on Changes in Transportation Regulations in Canada" and Associate Professor **Steve McBride** presented a paper on "The Politics of Economic Performance".

Dr. K.C. Yang, Professor in the School of Forestry, has published the following three papers in the first half of 1991: Yang, K.C. and Hazenberg, G., 1991, "Sapwood and Heartwood Width Relationship to Tree Age in *Pinus Banksiana*", Canadian Journal of Forestry Research 21: 521-525; Yang, K.C. and Hazenberg, G., 1991, "Relationship Between Tree Age and Sapwood/Heartwood Width in *Populus Tremuloides* Michx", Wood and Fiber Science, 23(2), pp. 247-252; Hazenberg, G. and Yang, K.C., 1991, "Sapwood/Heartwood Width Relationships with Tree Age in Balsam Fir", IAWA Bulletin n.s., Vol. 12 (1), pp. 95-99.

Dr. Joe D. Stewart, Chairman of the Anthropology Department wrote a paper "The Capitan North Project: Chronology" with associate authors Jonathan C. Driver and Jane H. Kelley. The paper appeared in *Mogollon V* (Proceedings of the 1988 Mogollon Conference), edited by Patrick H. Beckett. COAS Publishing and Research, Las Cruces, New Mexico.

From February through April of this year, **Dr. S. A. Naimpally**, Professor Emeritus of Mathematics, was in Italy under a research grant from C.N.R. (Italia), as a visiting Professor at Università de Napoli. While there he gave ten lectures in Italian, then during May through mid-June, he was a visiting professor at Università de Salerno where he gave 20 lectures in Italian on Rings of Continuous Functions. April 6 he gave an invited address "Gli spazi astrati sono veramente reali" at the Top Conference at Genova, Italy. Also in April he gave colloquium talks: "Calcolo ignoto" at Università de Milano and Università de Padova. Back in the United States, Dr. Naimpally gave an invited address "Comparison of hypertopologies" at the prestigious M.E. Rudin Topology Conference held June 26-29 at Madison, Wisconsin.

APPOINTMENTS

At its meeting on June 20, 1991, the Board of Governors approved the appointment of **Dr. K. Paul Satinder** as Chairman of Psychology for a three year term, commencing July 1, 1991.

Dr. Joe D. Stewart has accepted a term appointment as Chairman of Anthropology.

OCUFA

The Board of the Ontario Confederation of University Faculty Associations (OCUFA), which represents some 12,000 university teachers, researchers and academic librarians across the province, elected leaders for the next year at its June 14 meeting. Re-elected to a third term as OCUFA President was **Billy Graham**, a philosophy professor from the University of Toronto.

RESEARCH

Lakehead University and community agencies form partnership for community research. The Council on Positive Aging (COPA) has been awarded a two year grant from the Ministry of Community and Social Services with administration by the Research and Program Evaluation Unit in co-operation with the Ontario Mental Health Foundation and the Alzheimers' Association. Jane Ramsay (COPA), principal investigator is being assisted by Lakehead University professors **MaryLou Kelly** (Social Work) and **Dr. Anita Chen** (Sociology).

WHAT'S HAPPENING IN THE LIBRARY!

What Number Should I Call?

Have you ever wondered which department in the library can answer your specific request? Some often asked questions (and how to find out more information):

Can the general public borrow books from the library?

Call the Circulation Department: 343-8225 or 343-8137.

Who do I talk to about setting up a library tour?

Call the Orientation Librarian: 343-8147.

I need overhead transparencies of certain population graphs for a presentation.

Call Photocopy Services: 343-8296

How can I get an article from a journal to which the library does not subscribe?

Call Interlibrary Loans: 343-8135.

Isn't there an easier way to search Psychological Abstracts?

What is a CD-ROM?

Call the Search Services Librarian: 343-8129.

For more information about any of the services offered by the Lakehead University Library, please contact the Information Desk at 343-8302.



RESEARCH NEWS

SEEDLING TECHNOLOGY RESEARCH CENTRE

Lakehead University and the Thunder Bay Tree Seedling Growers Association have joined forces to create a new major research initiative, The Lakehead University Seedling Technology and Research Centre. With funding from the Grower's Association, Canadian Pacific Forest Products and the Ministry of Natural Resources, Lakehead University will provide the extension services of a seedling specialist, as well as a research base for the Association. This collaboration is founded on the recognition by the Growers Association that a significant research expertise exists at Lakehead University, which may be drawn upon in establishing new silvicultural practices in Northwestern Ontario. In addition to providing basic extension services, Dr. Lada Malek of Lakehead University's Department of Biology will be seeking government matching funds to undertake two main research and development tasks on behalf of the Centre. These are: 1) To develop and test new technologies used in the evaluation of seedling quality and seedling stress; and 2) To develop and test methods of seed lot sorting and pre-treatments to achieve single seed container sowing.

Dr. Malek states, "Despite significant technological advances in the seedling production industry in the last two decades, the local seedling crop valued at over \$4 million annually will always remain subject to the vagaries of our harsh climate". Individual growers do not possess the financial resources required for research and development of new seedling technologies. By tapping into the research capability of Lakehead University and by developing a mutually beneficial relationship with the University, the Growers Association hopes to participate in the development of an internationally recognized Centre of Excellence, dedicated to the solving of problems associated with the production of seedlings for the re-forestation effort in the boreal forest zone.

The capacity for undertaking this research exists at Lakehead University. However, the availability of research funding from the Grower's Association will enable the University to apply for additional "matching" research funding and further improve the research base by adding new equipment and staff. Two or three graduate students and

post-doctoral fellows will likely participate directly in this initiative, enhancing the post-graduate educational role of Lakehead University. The Centre will also enhance existing external inter-disciplinary collaborative research with researchers at the University of Western Ontario, the University of Alberta, and the University of Toronto, as well as internal collaborations with researchers in the School of Forestry at Lakehead University.

It is anticipated that the development of a Lakehead University Seedling Technology and Research Centre will result in enhanced competitiveness of regional seedling growers, improved quality of the crop, and ultimately in improvements to the success of the reforestation effort.

JOHN B. RIDLEY RESEARCH LIBRARY QUETICO PARK

Quetico Park would like to invite all Lakehead researchers to explore the valuable research resources housed within the John B. Ridley Research Library. The John B. Ridley Research Library was established by the Quetico Foundation as a memorial to its former chairman and benefactor John B. Ridley. It is located in the Quetico Park Information Pavilion at the French Lake Ranger Station, located 180 km west of Thunder Bay on Highway #11 and 50 km east of Atikoken. Quetico Park is a wilderness park which preserves an area of great natural value and historical significance. The Park goal is: "to preserve Quetico Park which contains an environment of geological, biological, cultural, and recreational significance, in perpetuity for the people of Ontario as an area of

NEW FACES IN THE OFFICE OF RESEARCH AND GRADUATE STUDIES

The Office of Research and Graduate Studies is pleased to announce two new members to the Research Team, Mrs. Kelly Morris, Special Projects Officer and Mrs. Lynn Gollat, Research Secretary.

As Special Projects Officer, Kelly will spend the next few months compiling a much needed new Research Expertise Directory. Individual researchers can expect to be contacted shortly by Kelly for their input. In addition, she will be instrumental in providing support to researchers on campus interested in exploring interdisciplinary and multidisciplinary research.

Mrs. Lynn Gollat joins the Office of Research and Graduate Studies as the new Research Secretary. As Secretary to the Senate Research Committee, Lynn will be happy to provide researcher's information on internal research programs.

September 1, 1991.

RESEARCH OPPORTUNITIES

NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA (NSERC)

Operating and Equipment Grants Program

It soon will be NSERC application time. All researchers planning to apply to NSERC this fall are encouraged to take the time early this summer (prior to the craziness of registration and commencement of classes) to formulate a draft of their NSERC proposal. If you wish, the Office of Research and Graduate Studies would be pleased to review your proposals. The Office of Research and Graduate Studies has again set an internal deadline date for processing of applications. All NSERC applications must be submitted by October 1, for first-time applicants and October 15 for applicants who have applied to NSERC before.

The following are the external NSERC deadlines all researchers should be aware of:

Advance Material for NSERC Grant Selection Committees
- August 15, 1991

Operating Grants (first-time applicants) - October 15, 1991

Operating Grants (applicants who applied to NSERC before)
- November 1, 1991

Equipment Grants (all applicants) - November 1, 1991

All researchers who were unsuccessful in the 1991-92 competition or researchers on a last instalment have been provided information regarding NSERC's request for advance material. Please call Anne Fiorenza, Research Officer if you intend to apply for an operating grant in the 1992-93 competition if: 1) you have not received the advance material information from NSERC; 2) you are a researcher who has not applied to NSERC recently; or 3) you are a first-time applicant to NSERC. Once again, this material must reach NSERC by August 15, 1991.

NSERC has informed the Office of Research and Graduate Studies that new forms will be distributed in late August. Researchers are not to use old forms. If in doubt, please call Anne Fiorenza, Research Officer. For additional NSERC deadlines, please refer to the UP-COMING DEADLINES page of this issue of the AGORA.

Research Partnerships Program

For all NSERC eligible faculty, there are three types of grants available under the NSERC Research Partnerships Program: 1) Collaborative Research and Development Grants; 2) Industrially Oriented Research Grants; and 3) Shared Equipment and Facilities Grants. To be eligible, the applicant must be within NSERC's mandate, an appropriate industrial partner must be willing to financially support the proposed undertaking (50% cash, plus an in-kind contribution is suggested) and the applicant must be an academic staff member of a Canadian university for the duration of the grant. This program has an **open deadline**; decisions are usually rendered within three to five months.

Canada Gold Medal for Science and Engineering

This award recognizes individuals who have made sustained and outstanding contributions to Canadian research in the natural sciences and engineering. The contributions may have been to the advancement of knowledge, to the application of existing knowledge to the novel solution of practical problems, to the promotion of management or research, or to the education of researchers. The accomplishments for which the award is given must have been carried out in Canada and achieved over a substantial period of time. The **deadline** for submissions for nominations this year is

SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL (SSHRC)

Research Grants and Strategic Grants Program

All SSHRC eligible researchers are reminded of the upcoming standard research and strategic research grants competition this fall. The deadline for submission of applications is October 15, 1991, however the Office of Research and Graduate Studies is once again implementing an internal deadline (October 1) to allow ample time for internal processing. SSHRC has informed the Office of Research and Graduate Studies that new forms will be sent at the end of August or early September. Researchers are asked not to use old forms, as they will not be accepted by SSHRC. For additional SSHRC deadlines, please refer to the UP-COMING DEADLINES page of this issue of the AGORA.

New Joint Initiative For Research on Science Culture in Canada

SSHRC and Northern Telecom Canada Limited have joined forces to create a new joint initiative for research on Science Culture in Canada. Ascertaining why young Canadians seem hesitant to choose careers in science and technology, and to find ways to improve basic science literacy for all Canadians is the focus of this program. This joint initiative will support pragmatic and multidisciplinary team research on the state of science culture in Canada. Total funding for this program is \$300,000 with SSHRC and Northern Telecom Canada Limited each contributing \$150,000. The programme will run for a minimum of three years. Research teams are to consist of one or more university faculty members and/or private scholars and at least one local business or learning institution. The application deadline date for the first competition is **September 15, 1991**.

AMERICAN FOUNDATION FOR AIDS RESEARCH (AmFAR)

Research Grants, Small Grants and Scholar Awards

The American Foundation for AIDS Research (AmFAR) invites a **letter of intent** for projects in biomedical, humanistic and social sciences research relevant to AIDS. The deadline date for the following three types of grants is **August 20, 1991**. Research grants up to US \$50,000 for one year support are available. Short Term Travel Grants for post-doctoral investigators up to US \$5,000 are for short-term study or training at another institution. Scholar awards up to \$102,000 U.S. for salary and benefit support for 3 years, are made available for researchers with 2 or 3 years of post-doctoral experience.

THE ONTARIO CENTRE FOR MATERIALS RESEARCH (OCMR)

Engineered Materials Research Program

In anticipation that the Government of Ontario will provide a second five year's funding for the OCMR, a strategic plan for research funding is underway. Research will focus on specific themes in the field of engineered materials. The current themes include biomaterials, interface science and technology, metals and ceramics, optoelectronics, polymers and composites. As a result of this planning exercise, new themes may emerge and current themes may be revised. Proposals will be accepted from tenured or tenure track faculty at Ontario universities, and NSERC award holders. Researchers are encouraged to contact the OCMR prior to submitting an application. **Deadline date: August 30,**

THE E. W. R. STEACIE MEMORIAL FUND

The Steacie Prize in the Natural Sciences

The Steacie Prize in the Natural Sciences is awarded annually to a person up to 40 years of age for outstanding scientific work in a Canadian context. This year it consists of a cash award of \$7,500. Letters of nominations should be accompanied by a brief statement explaining why the candidate is nominated, a biographical summary and a list of publications. **Deadline date: October 1, 1991.**

HEART AND STROKE FOUNDATION OF CANADA

The mission of the Heart and Stroke Foundation of Canada is to further the study, prevention and reduction of disability and death from heart disease and stroke, through research, education and the promotion of healthy lifestyles. The following programs are offered by the Heart and Stroke Foundation:

Junior Personnel Awards (November 15, 1991) - Research Traineeship, Research Fellowship, Teaching Fellowship, Nursing Research Fellowship;

Senior Personnel Awards (August 30, 1991) - Research Scholarship, Visiting Scientist Program, Career Investigator Award;

Grants in Aid of Research (August 30, 1991) - Annual Grants, Term Grants. Guidelines and Application forms are available from the Office of Research and Graduate Studies.

ST. JOHN'S COLLEGE, CAMBRIDGE

The Benians Fellowship

The Council of St. John's College, Cambridge, invites applications for a Benians Fellowship for the year 1992/93. The Fellowship, which is offered annually and is open to men and women, is intended to afford to a scholar who is on leave of absence from a tenured post in an overseas Commonwealth University, the opportunity to undertake study and research as a member of the College and to make contacts with scholars in Great Britain.

Election to the Fellowship is made for one academic year or for three consecutive terms. Applicants wishing to stay for a shorter period will not be considered. The Fellowship entitles the holder to a room in College, free of all charges, and an honorarium at the rate of £1,250 a year. Applications for the fellowship should be made by November 1, 1991.

ASSOCIATION FOR CANADIAN STUDIES (ACS)

Intercultural/Interregional Exchange Program

The Intercultural/Interregional Exchange Project is one of the ACS's programs designed to promote Canadian Studies. The program encourages and facilitates exchanges within the field of Canadian Studies. This program offers \$2,500 to help defray transportation and accommodation costs incurred by exchange participants (max. 5 days). Visitors may take part in activities such as teaching, research, lectures, and seminars. Participation in conferences or colloquia is not within the scope of this program. The following priorities have been identified for the program: 1) An exchange between two or more institutions is encouraged; 2) Proposals involving contact between francophone and anglophone communities; 3) Proposals which involve cooperation between institutions belonging to different regions. **Deadlines: September 15 and December 15, 1991**

Canadian Studies Writing Program

The objective of the CSW Program is to encourage the production of Canadian Studies materials by assisting authors

in the pre-publication stages (research and writing) of a book-length manuscript prepared for publication. Priority will be given to manuscripts dealing with one of the following themes: Canada as a northern country; The Canadian cultural context; The Canadian Social context (including social history); Canada and the new technologies; Canada in an international context; Canada and the North American Economy; Gender in Canada; and Federalism, Nationalism and Regionalism. Five grants are available annually of a maximum of \$8,000 each. These grants cannot not be used to defray publication costs. **Deadline: November 15, 1991.**

INTERNATIONAL OPPORTUNITIES

CANADIAN INTERNATIONAL DEVELOPMENT AGENCY (CIDA)

Educational Institutions Program (EIP)

The aim of the Educational Institutions Program (EIP) is to support the establishment of partnerships between Canadian Universities and their counterparts in Developing Countries. The purpose of these partnerships is to strengthen Developing Country Institutions according to their own priorities. The following components of Institutional strengthening are eligible under the EIP Program:

- 1) Enhancement of institutional capacities for dealing with their external environment;
- 2) Development of university management capacities;
- 3) Academic enrichment (faculty training, development and implementation of new teaching methods, and curriculum development);
- 4) Enhancing accessibility and equity (assisting partner institution's capacity to increase access to its services, for example, by developing outreach activities such as non-degree courses and programs, extension services, etc.); and
- 5) Research programs (building developing country institution's capacity to perform research in support of national development priorities). EIP cannot support Canadian University research programs.

If you have a contact at a university in a developing country who has expressed interest in obtaining assistance from Lakehead University in any of the above activities, please contact Anne Fiorenza as soon as possible. Lakehead University will only be allowed to submit two proposals to CIDA. Depending on the interest expressed by the university community in this program, proposals may need to be prioritized. **Deadline: October 1, 1991.**

GRADUATE SCHOLARSHIP OPPORTUNITIES

1992 Rhodes Scholarships, Oxford University

Applications are now available for the 1992 Rhodes Scholarships tenable at the University of Oxford. Applicants must be Canadian citizens and unmarried and must have received a B.A. degree before taking up the scholarship. The stipend of a Rhodes Scholarship consists of a direct payment to the University and the Scholar's College of approved fees, plus a maintenance allowance to cover board, lodging and other expenses. Applications and further information available in the Office of Research and Graduate Studies. **Deadline: October 25, 1991.**

CENTRE FOR NORTHERN STUDIES GRADUATE AWARDS

The Centre for Northern Studies has recently announced that it will be offering stipend awards to full-time graduate students in the 1991-92 academic year. Two different types of awards will be made available, as follows:

- a) A number of \$5,000 Graduate Entrance Awards will be awarded to entering students of high academic standing (minimum B+ overall in each of the last two years of undergraduate study) and whose current or proposed research focuses on regional development or problems and issues of particular importance to Northwestern Ontario.
- b) A number of \$3,000 Continuing Graduate Awards are available to graduate students continuing into the second year of their studies during the 1991-92 academic year whose current or proposed research focuses on regional development or problems and issues of particular importance to Northwestern Ontario.

Awards will be announced in September 1991. For further information, contact Kris DeLorey, Office of Research and Graduate Studies. **Deadline: August 15, 1991.**

CIDA EASTERN INDONESIA UNIVERSITY DEVELOPMENT PROJECT

Lakehead University, in cooperation with the CIDA Eastern Indonesia University Development Project at Simon Fraser University, recently admitted three graduate students into the Master of Science (Biology) programme. Mrs. Verena Augustini, Mrs. Debbie Pangkey, and Ms. Martina Sangari, teachers from universities in the eastern islands of Indonesia, were recommended for graduate level training in Canada through this Project. They will return to their own universities after completion of their academic program at Lakehead University.

Through this CIDA-funded project, students who are admitted into Canadian graduate programs receive a Fellowship, which includes funding for travel, living allowance, tuition, medical insurance, books, and any necessary tutoring. Upon their arrival in Canada, students are required to attend a language/cultural orientation, which is provided by the University of British Columbia. A sum of \$10,000 is available to the graduate supervisor to assist with the cost of laboratory equipment, materials and supplies associated with the graduate research project. The Project also provides funding for the supervisor to visit the student's university in Eastern Indonesia for the purpose of presenting a guest seminar or to conduct field research related to the student's project in Canada.

Two new graduate students are in the process of being admitted to the School of Engineering in the Departments of Civil and Mechanical Engineering. Faculty members in those Departments will serve as co-supervisors with faculty from McMaster University and the University of Manitoba.

UPCOMING DEADLINE DATES

NSERC Programs

Advance Material for all 92-93 NSERC applicants - Aug. 15/91
 Canada Gold Medal for Science and Engineering - Sept. 1/91
 CIDA/NSERC Research Associateships - October 15, 1991
 Conference Grants - November 1, 1991
 Equipment Grants - November 1, 1991
 Forestry Postdoctoral Assistantships - January 15, April 15, July 15, October 15
 Infrastructure Grants - November 1, 1991
 International Collaborative Research Grants - Oct. 15 and March 15
 Major equipment grants - October 1, 1991
 Operating Grants - First-time applicants - October 15, 1991

Operating Grants - Regular applicants - November 1, 1991
 Research Partnerships Program - Open
 Scientific Publications - October 1 and April 15
 Strategic Grants - May 1, 1992

SSHRC Programs

Aid to Occasional Scholarly Conferences in Canada - July 1, November 1, April 1
 Major Research Grants - October 15, 1991
 Standard Research Grants - October 15, 1991
 Strategic Grants - October 15, 1991
 Strategic Partnership Development Grants - October 15, January 15, April 15
 Strategic Research Networks - October 15, 1991
 Strategic Research Workshops - October 15, 1991
 SSHRC/Northern Telecom Joint Initiative, Research on Science Culture in Canada - September 15, 1991

OTHER RESEARCH PROGRAMS

Association for Canadian Studies; Intercultural/ Interregional Exchange Program (September 15, 1991 and December 15, 1991); Canadian Studies Writing Program (November 15, 1991)
 American Foundation for Aids Research (AmFAR), Research Grants, Small Grants, and Scholar Awards, Letter of Intent - August 20, 1991
 Educational Centre for Aging and Health; Fellowships/ Bursaries - January 1, April 1, July 1, October 1
 E.W.R. Steacie Memorial Prize - October 1, 1991
 Heart and Stroke Foundation of Canada - Junior Personnel Awards (November 15, 1991); Senior Personnel Awards (August 30, 1991); and Grants in Aid of Research (August 30, 1991)
 St. John's College, Cambridge, Benians Fellowship - November 1, 1991
 Ontario Centre for Materials Research (OCMR) - August 30, 1991
 World Wildlife Endangered Species Recovery Fund - January 1, April 1, July 1, October 1

GRADUATE SCHOLARSHIP OPPORTUNITIES

1992 Rhodes Scholarships, Oxford University - November 15, 1991
 Centre for Northern Studies Graduate Awards - August 15, 1991

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

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

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

Pam Kozak

You may recognize this smiling face as one of the dedicated crew that delivers the mail to you each morning. Pam Kozak is a full-time mail clerk for Printing Services. Born in Thunder Bay, Pam graduated from Hillcrest High School in 1984. She worked in a number of areas before joining the team at Lakehead University in 1989 as a part-time "floater". As a mail clerk "I enjoy meeting people every time I bring the mail into an office".



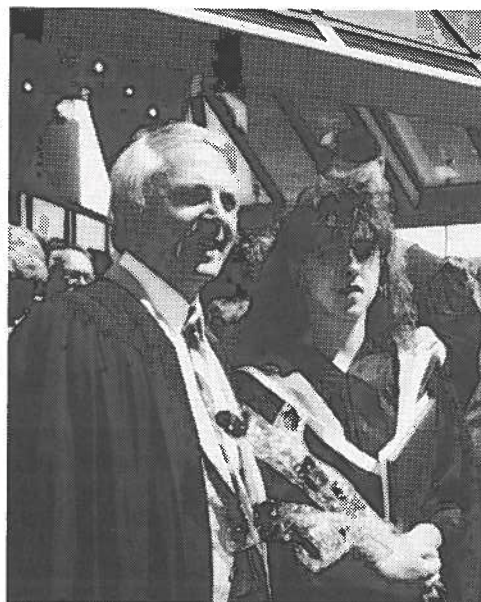
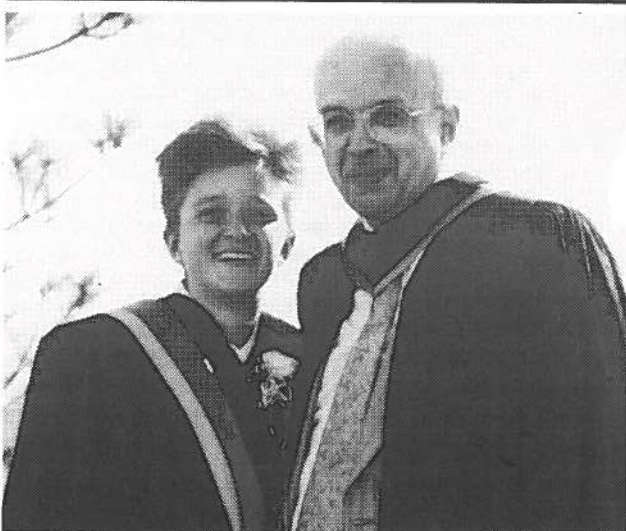
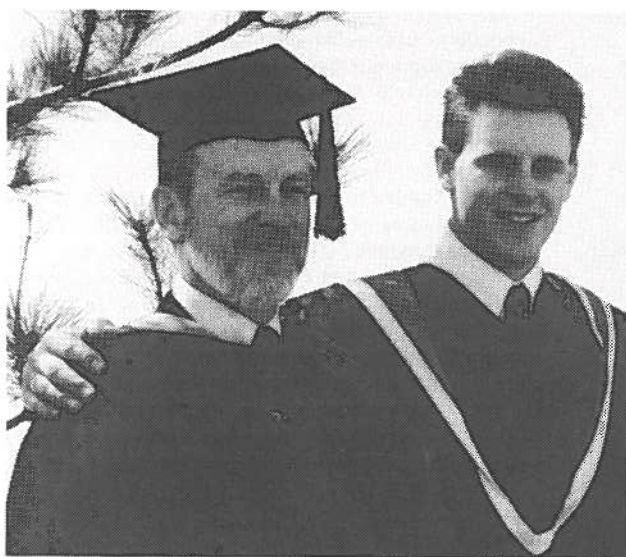
Pam's favorite pastime in the summer is camping. "I love to go tenting. I'm a great fisherman!" When she is not enjoying the great outdoors, Pam can be found motoring around on the highways and byways in her brand new "Sunbird" sportscar. Travelling is at the top of Pam's list for future endeavours. She has been to Jamaica and wants to return someday. "That trip is definitely a priority," she chuckled.

Valerie Lellava



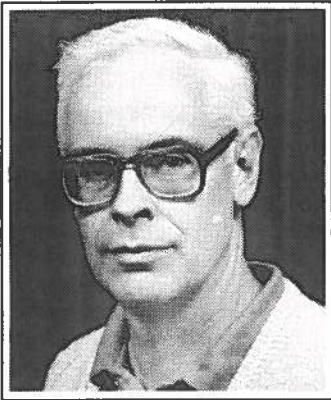
Valerie Lellava has recently joined the staff as the co-ordinator of the Student Union's new Gender Issues Centre. She graduated from Lakehead University with a Bachelor of Arts degree in English, an Honours degree in Psychology and a Bachelor of Education degree. She has worked as a fellowship officer for the Ministry of Colleges and Universities, as a freelance journalist for CBQ Radio and on occasion, as a supply teacher. She

looks forward to her new position. "Establishing a new Gender Issues Centre for the campus is going to be exciting. It's a new concept for the university and I look forward to the challenge." Away from work, Valerie volunteers in a number of community organizations, including the Lakehead Regional Family Centre. "I've been matched with a teenager from a family experiencing difficulties. I like counselling young people and eventually would like to be involved more in community social work." Valerie keeps active by hiking and working out.



ALL IN THE FAMILY

Several faculty members had extra reason to smile at Convocation '91. From top left to right, Richard McGillivray (English) and his son Blair, BA (Psychology), Dave Parsons (English) with his daughter Susan, BA (English) Bottom, Gary Locker (Engineering) and his daughter Tiffany, BED.



Forum

Contiguous Clearcut At Least 2,263 Times the Size of LU's Campus

For the past three years, the Forest Management Process in Ontario has been under the review of an Environmental Assessment Board. During that period, Crandall Benson has served as an advisor and expert witness for one of the main

interest groups, Forests For Tomorrow (FFT). FFT is a coalition group of the Federation of Ontario Naturalists, Sierra Club of Ontario, Temiskaming Environmental Action Committee, The Wildlands League, and The Botany Conservation Group of the University of Toronto.

The purpose of the environmental hearing process is to evaluate and to assess the effect on the forest and its resources by the management planning procedures of the Ontario Ministry of Natural Resources (OMNR). The environmental process began for the OMNR in 1976 when they received the first of nine exemptions from the Environmental Assessment Act. By 1987, the OMNR had produced five draft documents indicating their procedures for dealing with the forest environment. Despite the number of years of preparation, the last attempt was found to be lacking in technical quality and level of detail; however, the Minister of the Environment referred the OMNR proposal for hearings before the Environmental Assessment Board.

The Environmental Assessment Board began hearings on 10 May 1988 with three Board members, subsequently reduced to two when the Chairman quit. The Environmental Assessment Board acts in a semi-legal process to listen to and evaluate the arguments of various interest groups. The process is long, expensive, extremely boring, not fair to all groups or individuals, and some wonder if it will really accomplish anything. Certainly, having lawyers involved in anything is expensive, but to have them involved in presentations and cross examinations ranging from using a compass to implementing integrated resource management is not only extravagant, but a gross waste of funds. Only a lawyer would be able to explain why they were unable to narrow the scope of the arguments to the pertinent issues, but one gains the impression that it's something like the Wabash Cannonball; only gravity will stop it. Requiring a lawyer limits the participation of some groups with limited funding and makes direct participation impossible for the normal individual. One is forced to wonder if the companies would have benefitted more by modernizing their facilities rather than trying to out-lawyer the other groups at the hearings. Probably if more direction on the limit and scope of the arguments had been provided by the Progressive Conservative Minister of The Environment at the start of the process it could have been shortened. That is not to say that there are not some gems of information in the Hearings: there are, but they are difficult to find.

A controversial component of the work that Benson completed for FFT was the estimation of clearcut sizes in Ontario, both for one year and for contiguous clearcuts. Three important concepts were being made to the Board. First, the necessity to limit the size of clearcuts. Second the need to separate cut areas by uncut areas similar in size to the cutovers. Adjacent cutovers would not be harvested until the first areas became mature enough to provide ground cover, wildlife habitat, and some seed for the area to be harvested. Third, the use of smaller cuts could allow the use of more economically efficient natural regeneration methods. Both the use of smaller cuts and obtaining natural regeneration could mitigate the detrimental effects on the forest

environment and enhance the area for species diversity, public approval, and wildlife habitat.

The figure that made the front page of the Globe and Mail, was an inappropriate comparison of an area at least 269 300 ha of contiguous clearcut (one-half of P.E.I.) compared to the single year cuts of other provinces. Benson did write a letter to the editor of the Globe and Mail to correct the error, but the correction was not published. It would have been more correct to compare an annual cut area of Ontario to the size permitted in other areas. For example, the maximum size permitted in Alberta is 40 to 60 ha, 50 ha in Nova Scotia, 20 to 80 ha in B.C., 50 ha in Saskatchewan, 40 ha in the U.S.A. 3 ha in Czechoslovakia, 2 to 20 ha in Finland, 1.8 to 27.1 ha in Sweden. There is no limit on the size of individual clearcuts in Ontario. The figures provided by the OMNR to the Hearings indicated individual annual clearcuts ranged from 79 ha to 4000 ha.

Incidentally, the contiguous clearcut found by Benson is at least 2263 times the size of the Lakehead University campus, 16.8 times the size of Liechtenstein, 1.04 times the size of Luxembourg, 0.51 times the size of the state of Delaware, or 0.86 times the size of the state of Rhode Island. The actual size of the contiguous cutover area is larger than the 269 300 ha as it extends beyond the area measured on one satellite image. If adjacent areas from other satellite images were included, the size would be larger than P.E.I.

The only people that seemed surprised by the size of the clearcuts were the industry and the OMNR. In fact, the industry lawyer appeared somewhat hostile and tried to discredit the information as much as possible. He did manage to find an error of 1200 ha of uncut ha that was mis-interpreted as cutover.

Benson's concern was that the concept of using smaller cuts to improve forest management would be lost in the haranguing of the EA lawyers and the concentration on the image presented by the Globe and Mail article. However, the Board did indicate their interest in the limits placed on the clearcuts in other provinces and countries, and expressed concern as to how these other provinces and countries could economically manage the forest in a more environmentally friendly manner.

Most Canadians are opposed to clearcuts, as a recent Federal Forestry Survey showed. Interestingly, the industry lawyer objected to the introduction of survey results as evidence, with the reasoning that the people conducting the survey could not be questioned. Thus, the EA process that is supposed to open the management of the public lands to public input, closed its door on one of the few national surveys on forest management. For the same reason, they would not accept a Federal Forestry survey of Canadian professional foresters, who felt that clear cutting was necessary, but overused.

Benson's report was a comprehensive coverage of detrimental effects of harvesting and silvicultural practices, and the methodology that could be employed to reduce such damage. Nineteen management plans and areas were examined to determine the success of current forest management practices. Common features were non-sustainable allowable cuts, lack of planned regeneration, large cutovers, and minimum concern for holistic management of the forest. Information concerning the management of the forests was not readily available from all OMNR offices concerned. In fact, there has been a dangerous trend towards letting the industry do the bookkeeping of the Crown land. A dangerous trend in the sense that the information could become more inaccessible.

What will the hearings accomplish is a question in many minds. Benson feels that although it is a long and tedious procedure, the two members of the board appear very adept at gleaning out the essence of the arguments being made. They should present a very interesting and reasonable report to Cabinet. A major disadvantage of the hearings is the antagonistic nature of the process. The OMNR and industry seem to have grown closer together, while more of a gap has been formed between these two and the remaining interest groups. It will probably be years before the wounds have healed and forgotten. Benson's involvement has modified his perspective on management, and he has noticed a change in the way other professional foresters treat him; in fact, he has been labelled as a green forester. The other major difficulty was trying to schedule and complete his teaching at LU after spending 4 days a week on the witness stand in Toronto. To compound the problem, Benson required eye surgery two days after Christmas. This made reading slow and difficult, and aggravating to some of the lawyers.

The hearings should end in the fall of 1992. Individuals interested in making a presentation or expressing their concern can do so when the Assessment Board meets in Thunder Bay in late August, 1991.

Assessing Forest Management In Temagami

Since 1981, C. Benson has been involved in work with the Teme-Augama Anishnabai of Bear Island, Temagami, Ontario. During that time, three reports have been completed on the assessment of the state of forest management and on possible improvements for the 989 000 ha claimed by the band as their land, NDaki Menan. The ownership of the land has been contested for over 100 years, and finally reached the courts in the 1970s. Benson's first report, Forest Management on NDaki Menan of the Teme-Augama Anishnabai - 1982, found inordinate inadequacies in the management of the forests. As a result of this report, he appeared as an expert witness for the Teme-Augama Anishnabai at the Supreme Court of Ontario in 1982.

A second report was completed in 1989 by Benson, H. Cumming, H. Akervall, and W. Carmean. This report evaluated changes in management practices since the 1982 report and made recommendations necessary for the implementation of sustainable management and integrated resource management for NDaki Menan. This report appeared around the time of the road blockades and encampments on the Red Squirrel Road. Bob Rae, an MPP at the time, was arrested at one of the blockades. Late in 1989, the authors were invited to make a presentation and be questioned by the Standing Committee on Resources Development of the Ontario Legislative Assembly. Although chaired by Floyd Laughren of the NDP, the committee was composed mainly of Liberals. The committee concluded that the situation was too complex to make a decision at that time. The NDP members presented a minority report recommending action.

When the NDP assumed the leadership of the province, the Teme-Augama Anishnabai were given a 50-50 stewardship of four townships, along with the government and other interested parties. In addition, they obtained a substantial increase in accessible information for the whole of NDaki Menan. Assessment of this new information was completed by Benson, J. Perrier, and L. Hulstein in 1991, Evaluation of Timber Management Plans In NDaki Menan.

Working with the Teme-Augama Anishnabai was rewarding as it provided information not normally available from the Ontario Ministry of Natural Resources. A more important benefit was that it served as a learning experience on the subject of integrated resource management. The Temagami area has numerous interest groups with conflicting demands that can only be solved by preparing a practical holistic management plan. Finally, the Teme-Augama Anishnabai provided an insight into an understanding of the history, wildlife, development and possible future of the area.

RETURN VISIT TO CZECHOSLOVAKIA

In May of 1991, Professor Benson visited the Forestry Faculty of the Brno University of Agriculture. His visit was a followup of the visit by Professor Willard Carmean in 1990.

During his three week visit, he was introduced to intensive forest management practices, heavy pollution damage, and wildlife management. The Czechoslovakian professors were extremely hospitable and helpful despite language problems. Except for the lack of modern technology, like microcomputers, classrooms and laboratories of the forestry faculty were well equipped and designed. Although their forests are small, their knowledge and ability to manage the forest exceed ours. One advantage is that they have one forester for every 800 ha compared to the more than 400 000 ha per management forester in Ontario.

A disadvantage of their forest management is that they have concentrated on the management of trees and wildlife. Their management of the whole forest resource is at about the same beginning stage as Ontario. They do have the advantage that they have actually managed the majority of their forest land and the benefits of that management are visible to the public.

The demise of communism has led to some problems. Of immediate concern is the end of guaranteed employment for forestry graduates. Entering a free enterprise system is a traumatic experience for foresters and others who have endured so many years of communist control. Another problem is that 30 to 50% of the state forest land will become privately owned and may not be managed as thoroughly as state land, despite legal restrictions on forest management practices.

Other effects of communism were both good and bad. On the good side, the student residence accommodation provided for Benson made our offices and residence dormitories look like compacts. Meals were cheap, \$0.14 at the student cafeteria, less than \$1.00 at a restaurant, bus rides were \$0.04. On the bad side, the heavy pollution, grey buildings that are only now seeing their first coat of paint for years, and worst of all, a bureaucratic mentality that rivals the worst we have in Canada. The prime example of this bureaucracy can be illustrated by the procedure for obtaining meals at the student cafeteria. An elaborate process of buying three different coloured tickets at a certain place at a certain time, stamping them with the right date and place name on the day before the meal, putting the right one-half of a ticket in the right box, and presenting the right ticket at the correctly stamped, coloured ticket at the right place leads to one missing meals on occasion. However, it does make one appreciate Versa foods and even arouse fond memories of Beaver Foods.

Overall the experience was worthwhile, but it would be of more overall benefit if the Czechoslovakians were able to visit Canada to see both our forests and our lifestyle. Unfortunately, their present salaries and the financial condition of the country precludes the possibility of them making such a trip.



Dr. Bob Payne (Outdoor Recreation, Parks and Tourism) and Dr. Crandal Benson (Forestry) were honoured on June 20th at the awards ceremony of the Federation of Ontario Naturalists in Toronto. They were presented with a Certificate

of Appreciation by Lieutenant Governor Lincoln Alexander, who is also a patron of the Federation. The award recognized their participation as witnesses for Forests for Tomorrow intervention in the Class Environmental Assessment on Timber Management on Crown Lands in Ontario.

Campus Calendar

To include your Department's event or activity in the Campus Calendar, please call the Information Office at 8300 or mail your information to SN1002.

Deadline for the September Agora is August 15, 1991.

THE CHANCELLOR PATERSON LIBRARY

July 2 to August 16, 1991

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

Friday 8:00 a.m. to 5:00 p.m.

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

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

Lakehead University Pool still has room in their Summer Programs: Fun Camp, Learn to Swim, Ladies Aquabics, Bronze Medallion or Cross For information or registration phone 343-8656

Thunder Bay Art Gallery

June 14 - July 28

No Borders

The work of four contemporary Native photographers

July 19 - September 2

Norval Morrisseau

Works from the permanent collection
Sable Island: A Story of Survival

August 2 - September 2

Organized by the Nova Scotia Museum

This exhibition tells the story and unravels the mysteries of the Island's natural and human history.

August 2 - September 2

Permanent collection of 56 works by more than 25 Native artists
Art-in-the-afternoon-tours

Wednesdays in

July and August - 2:00 p.m.

Walking tour of the exhibitions!

The Thunder Bay Art Gallery is accepting applications from north-western Ontario artists for exhibitions in 1992 and 1993.

Quilt Show Call for Entries

Canadian quilters are invited to enter their works in a national juried quilt exhibition.

JULY

Monday, 22

Summer Session half-courses terminate

Wednesday, 24

Summer Session full-courses resume and half-courses commence

Friday, 26

Distance Education courses terminate

AUGUST

Monday, 5

Civic holiday, University closed

Tuesday, 6

Final date to register in Fall Term
Distance Education courses without late fee

Wednesday, 14

Summer Term classes end

Friday, 23

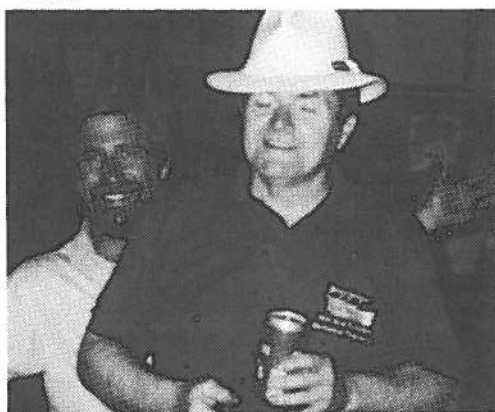
Final date for late registration in Fall Term
Distance Education courses

Monday, 2

Labour Day, University closed

Tuesday to Saturday, 3/7

Student Orientation and Registration Week



GOTCHA! Gonzo gets the party going after the infamous Maintenance Choice Golf tourney. That is Dr. Bob trying to impersonate Crocodile Dundee.

NF Lavoie

Physical Education



Summer in the Parks

Rotary Thundershell Waverley Park

July 23 - Teddy Bear's Picnic

July 24 - Pure North, Shawn Naroski, After Hours Jazz Quartet

July 28 - Bill Zegil, Gibson, Martin and I, Norman Sponchia, Song-bird

July 31 - Lacko Johnson, The Touch, Wayne Faulconer

August 7 - Karen Mayne, Bayside, The Blue Shadows

August 11 - Les Troubadours Du Norois, Lois Garrity, 704 Band, Country Pride

August 14 - The Tempos, Hedi Beale, Ari & Friends

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

Agora

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