

Share

OUR NORTHERN VISION

REPORT

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Lakehead University's Instrumentation Laboratory

Technical support for researchers, students and local industry

What do an X-Ray Diffractometer, a FT Infrared Spectrophotometer, and Nuclear Magnetic Resonance have in common? Many things. Each is a piece of equipment presently housed in the Lakehead University Instrumentation Laboratory; each offers Lakehead University students, researchers and external users learning and research opportunities they would not otherwise have; and lastly, each piece of equipment is extremely expensive to replace.

The Instrumentation Laboratory at Lakehead University has, for nearly twenty-five years, been the centralized location for major research equipment. Whereas many universities have individual equipment labs, Lakehead's is uniquely centralized to maximize use and economy. Mr. Allan MacKenzie, Coordinator of the Instrumentation Lab, points out that "we are providing



Mr. Allan MacKenzie, Coordinator of the Instrumentation Lab, operates the Mass Spectrometer. The instrument is used to study the structure of molecules and is valuable for measuring minute quantities of certain environmental contaminants.



Accessibility of research equipment is a factor in attracting first-rate students and researchers to Lakehead University.

opportunities to students that are not available elsewhere in Northwestern Ontario." The Laboratory offers users, under staff supervision, a wide range of instrumentation in first-class condition. Although the primary mandate is to provide major scientific instrumentation for University researchers and students, the Laboratory commonly provides technical support for local industry, thereby reinforcing ongoing partnerships and initiating new ones.

Continued on page 2

Foundations Provide Opportunities for Growth

Foundations are a major source of funding for the Share Our Northern Vision Campaign. Over \$938,050 has been raised from Foundations other than Corporate Foundations. Lakehead receives support toward building, equipment, special program and scholarship and bursary initiatives as well as research.

Innovative foundation-supported projects include a recent "first" for a Canadian university - a \$250,000 Rockefeller Foundation Humanities Fellowship Award, initiated by Director of Research and Graduate Studies, Dr. Connie Nelson, which will enable three visiting scholars per year to explore aspects of Native Philosophy. As a University that is dedicated to providing a variety of relevant post-secondary educational opportunities for aboriginal students, (over 350 Native students attend Lakehead University) we are particularly delighted to have received this grant. Professors Doug Rabb and Dennis McPherson are Co-directors of this Native philosophy project and have developed a new course called Native Canadian World Views in which both Native and non-Native students will have an opportunity to participate. We hope that this project will lead to the creation of an Aboriginal World Views Centre.

The Max Bell and Canadian Foundation for AIDS Research Foundations are providing over \$82,000 to fund a three-year research project entitled AIDS Education Programs. Are They Working? Researchers Prof. Cynthia Loos, School of Nursing and Dr. Alan Bowd, Faculty of Education, developed a survey for incoming first year

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students to assess the efforts of the program concerning students' knowledge about AIDS and the development of long-term risk-reducing sexual behaviour. This study included the production of a one-hour play and a survey. At the conclusion of this research, results and recommendations will be shared with all organizations involved in AIDS education including all Canadian universities.

The **Eckhardt-Gramatte Foundation** has recently pledged \$20,291 toward Lakehead University's new Music and Visual Arts Centre for the Electronic Music Studio/Sound Room equipment. The Eckhardt Gramatte Foundation was established to promote the work of Sonia Eckhardt Gramatte who was an accomplished Canadian pianist and composer and who passed away in 1974. This gift will allow Music students an opportunity to compose with the assistance of computers, edit, print scores, record, store sounds and create new sounds in a way that is now imperative in today's contemporary music performance and study.

Special acknowledgement is due to our oldest foundation "friend", **The JP Bickell Foundation, National Trust, Trustee**. A long-time supporter of Lakehead University through a variety of gifts has meant for example, that the Department of Geology has been able to equip its Rock Physics Lab and that Health Services has a downpayment towards its computerization. In addition, many, many deserving students have had an opportunity of a university education through the Bickell's support of our Awards Program.

Other Foundations who have contributed to many other equally important initiatives on Campus include the **Pater-son Foundation, McLean Foundation, Simons Foundation, Birks Family Foundation, Hyland Foundation, Andrews Foundation, Canadian Suomi Foundation, Canadian Shield Foundation, Thunder Bay Foundation, Canadian Geological Foundation, Atkinson Foundation** and the **Counselling Foundation of Canada**. Without the collective and shared vision of each and every one of our supportive foundations, creative, imaginative and essential opportunities for the advancement of knowledge would not take place.

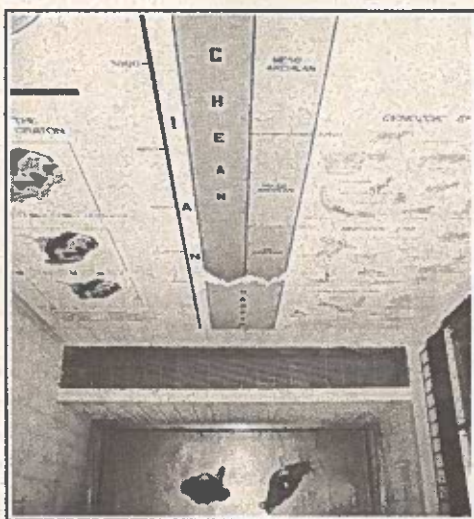
Board appoints Dusty Miller Chair of Fund Raising Committee



Mrs. Miller, "I realize that in these recessionary times, fund raising will get harder and harder." She anticipates the job will have a lot of responsibility, but is looking forward to the challenge. Mrs. Miller replaces Florence Johnston who resigned from the Board after completing six years of service, four years as Chair of the Fund-raising Committee.

Lakehead University is pleased to announce that Mrs. Dusty Miller has been appointed Chair of the Board of Governors' Fund-raising Committee. Mrs. Miller, who is currently serving as Chair of the City of Thunder Bay's Arts and Heritage Committee, is a former Mayor of Thunder Bay. She has served on the Board of Governors for a total of five years and in 1990 was honoured with the Alumni Honour Award.

The Fund-raising Committee develops and recommends to the Board policies and methods for raising funds on behalf of the University. "While the Share Our Northern Vision Campaign has gone extremely well," says



This four-storey, full-colour Geological Time Scale hanging in the stairwell of the Centennial Building is designed to show the relative duration of eons, eras and periods. The project was executed by Sam Spivak, a technician in the Geology Department, who spent 260 volunteer hours to complete the project. Initiated by Dr. Manfred Kehlenbeck, Chair, Geology this project was made possible thanks to a generous award of \$5,000 from the Canadian Geological Foundation.

Instrumentation Laboratory (Continued from Page 1)

Many of the pieces of equipment are over twenty-five years old. While this equipment has been very well looked after, much of it needs serious upgrading and obsolete pieces have to be replaced in order to keep up with new technology and rapid changes in the technical and scientific fields. As MacKenzie mentions, "our region has very little capacity in fields such as environmental chemistry. Some of this research must stay in Northwestern Ontario."

Upgraded equipment has the potential to attract more users ensure that the Instrument Laboratory continues to provide the high quality that is essential for current research and graduate programs and to provide an environment for the training of personnel in this technology.

Alumni Association Demonstrates Leadership:

Five-year Capital Goal Doubled to \$500,000



Lakehead University Alumni have contributed over \$250,000 towards the new Halliday Hall/Fellowship Residence (above). Alumni Association President Betty Coates (inset) and the Board of Directors are proud of the leadership demonstrated by Lakehead grads.

Lakehead University Alumni continue to respond positively to the needs of their alma mater and Association. In addition to the \$185,000 raised during the 1993 Annual Fund, Alumni have answered the call for a new Alumni House by pledging over \$250,000 towards the Halliday Hall/Fellowship Residence and Alumni House.

The previous Alumni House (the Evan's farmhouse located across the street from the Campus) was no longer able to serve the needs of the Association. Recognizing this, President, Betty Coates and the Alumni Association Board of Directors pledged to raise \$250,000 over the next five years. This money would assist the Fellowship Residence project and ultimately offer the Alumni Association a new location of which they could be proud.

Support for the project has been very strong. During the first year of solicitation, the five-year goal of \$250,000 was reached. The vast majority of money was raised from graduates who had never before supported Lakehead University. Based on this strong level of investment by our graduates, the goal has now doubled to \$500,000.

Recognizing a window of opportunity, the Association committed this money to assist the University with the purchase of the Avila Centre. Formerly owned by the Sisters of St. Joseph, the Avila Centre is located on the southern tip of the Lakehead University Campus. The Association now has sufficient office space for staff and volunteers, meeting and conference facilities, a chapel, a cafeteria and most importantly, additional and much-needed residence beds.

Currently home to 60 female students, the Halliday Hall/Fellowship Residence (named after long-time University friend Miss Evelyn Halliday) will house 80 to 90 students next year. The Avila Centre is in impeccable condition for a 25-year-old building. Its purchase immediately addressed two pressing needs: additional residence beds and a new Alumni House, at a substantial cost saving to the University and the Association.

Beginning in January, all Alumni who are regular supporters of the University will be given the opportunity to provide a gift to this capital effort as well. Betty Coates says Alumni "have been there to answer the call in the past, and I'm confident they'll be there this time as well. This is the kind of leadership we want to continue to show in this very important campaign."

LU Receives \$600,000 Provincial Grant to Build Rural Resource Centre in Kakabeka Falls

Families in rural areas outside the City of Thunder Bay will soon be served by a new, expanded Rural Resource Centre in Kakabeka Falls thanks to a \$600,000 capital grant from the province.

The Centre offers a drop-in day care service for parents and children as well as courses in parenting and other topics of interest to the rural community.

The Department of Social Work at LU has been a supporter of the Centre since it opened in 1980. Because the Social Work program at LU is based on the rural model, the Resource Centre in Kakabeka has always provided many learning opportunities for LU students and faculty. This recent award of \$600,000 to expand the facility, says Dr. Roger Delaney, Chair of the Department of Social Work, will strengthen an already productive relationship. Construction of the facility is expected to be completed in the spring of 1994.

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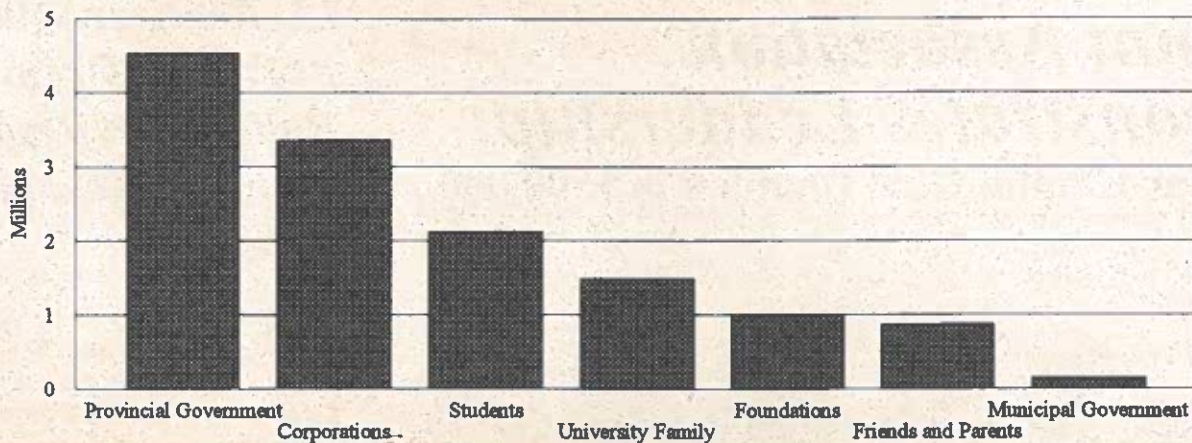
Kathy Ball

**Profile of
Local
Volunteer**

- **Parents Program: '93
Campaign a Success!**
- **Planned Giving Program:
Providing New Options For
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Campaign Contributions

Total \$13,476,960



Lakehead University Thanks the Following Corporations, Foundations, and Groups for their Generous Support

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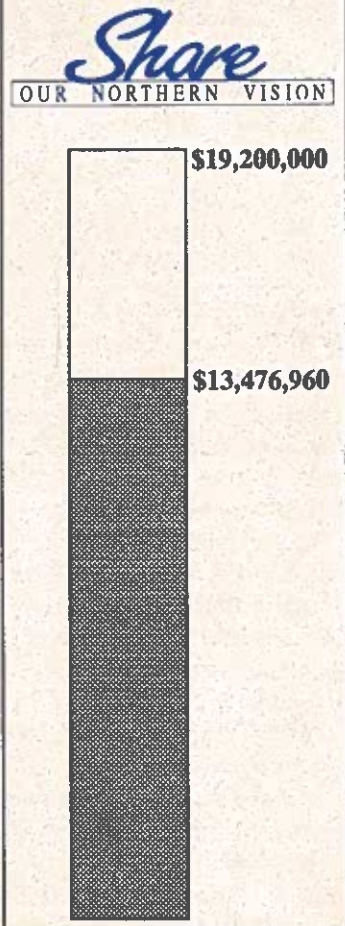
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