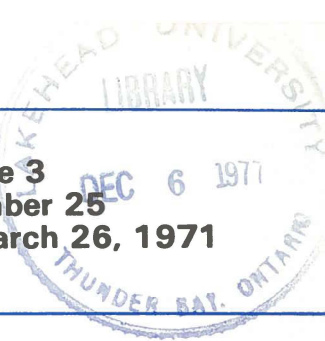


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a publication of the Lakehead
University information office

Volume 3
Number 25
March 26, 1971



Pollution Research at L. U.

By the nature of its location, Lakehead University's research in the field of pollution is based for the main part on studies of major chemical-using and producing industries, upon an area that is relatively free of the pollution caused by major urban areas. Many studies in ecology contain 'spin-off' results that might directly or indirectly affect the matter of pollution. A community Pollution Committee uses the resources of the University and those members of the academic staff who have indicated an interest in pollution studies, offer information and guidance to this group upon their request. A few professors are directly involved with this group, and other community efforts related to the study of pollution. There are a number of academics who are doing preliminary research on potential problems afforded by the area, in specific pollution problems, but most of these have yet to reach the point of being registered as research projects or to request funding.

A major research project in the field of Pollution is being done by a multi-disciplinary research group, funded by the Department of University Affairs. The members of this group are Dr. R. A. Ross, Professor A. J. Bruley, Dr. R. Freitag, Dr. L. Hastings and Dr. G. Ozburn with collaboration from Dr. G. Allen and Mr. C. Gain of the Great Lakes Paper Company in Thunder Bay. The project title is 'Studies of Air and Water Pollution in Northwestern Ontario' and is concerned with:

1. Chemical and Engineering studies of the stack gases and possible remedial measures.
2. Biological and Physico-Chemical studies of gas- and liquid effluents on ecological balance.

In another project, funded by the Department of Energy and Resource Management, Dr. R.A. Ross and Professor A.J. Bruley are doing research on 'The Composition and Combustion Properties of "Black Liquor" from Kraft Paper Mills,' a study of the way in which the composition of the component gases in the effluent are affected by varying the conditions of liquor evaporation and subsequent combustion. The prime technological objective of the studies is the minimization of odour in stack gases.

The growing public concern in the area of pollution, and the opportunities afforded researchers by the

relatively 'virgin' ecological nature of the Thunder Bay area will undoubtedly result in further studies in the coming year.

Medical People Visit North

Mrs. Christena White, Chairman, Department of Nursing at Lakehead University has just returned from a trip to Great Whale River on the eastern shore of Hudson's Bay, where she participated in a special project planned by the Department of National Health and Welfare.

The purpose was to acquaint nurse educators from University Schools of Nursing across Canada, with the problems related to the delivery of Health Care to residents in the northern areas of Canada.

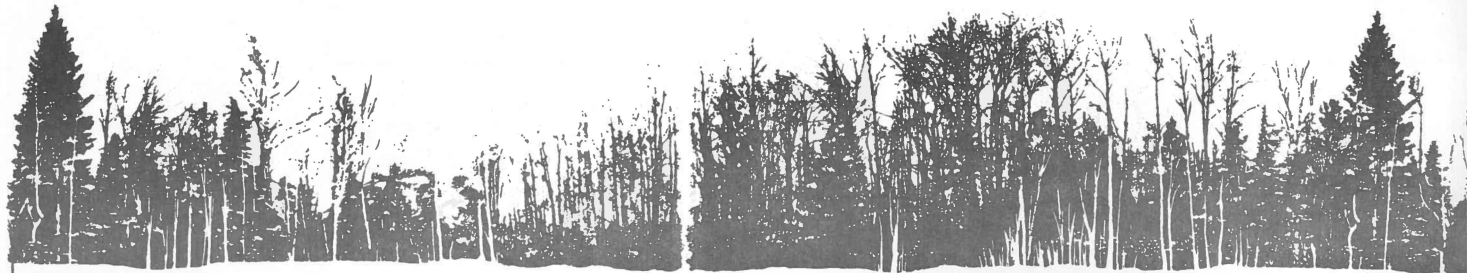
Two nurse educators went to each of the following health stations: Povungnituk, Inoucdjouac, Great Whale, Paint Hills and in the interior of Quebec, Obiduan.

While at the station they participated in the activities of the station. Since there are virtually no physicians or dentists in this area the responsibilities of the nurses are immense.

In addition to the isolation related to the work area, the nurses must communicate with the native population (Eskimo and Indian), through interpreters.

Air transportation for longer distances is the only way to travel. Runways are poor and the weather frequently makes it impossible to land. Communication is through radio telephone - "Roger, over". Much of the time this means of talking with Montreal, or other areas is very poor and frequently impossible. During spring thaw and freeze up, no transportation is available.

The nurses who participated in this project were asked to make recommendations for providing improved health care in outpost areas. As a result of this experience they will offer concrete suggestions to achieve this goal. Included in the objectives of the visit was consideration of ways in which Schools of Nursing in the Universities could assist in preparing nurses for positions with Medical Services in the far north.



Report to CPUO cont'd

The following is the concluding part of a two-part summary of a report to C.U.A. and C.P.U.O. entitled "Television and Technology in University Teaching." It is reprinted here with the permission of the University of Western Ontario News.

Recommendations from the report include:

that the universities of Ontario establish a "Centre for Instructional Development" to assist the faculties of Ontario universities in improving the effectiveness of instructional processes in terms of objectives, content and methods.

that the Committee on University Affairs and the Committee of Presidents of Universities of Ontario authorize the Steering Committee for the CPUO/CUA Study of Educational Technology to provide interim support for any inter-university discipline group wishing to explore the course-team approach. Once a fully documented proposal for cost-effective production of common materials has been produced, further support for actual production should be provided through special funding.

that the Committee on University Affairs and the Committee of Presidents of Universities of Ontario establish jointly an appropriately constituted planning committee to consider alternative ways of providing high-quality general degree programs on a level comparable with those now offered in the universities for the expected numbers of additional students, and in particular, to examine fully and in detail the feasibility of developing an institution in Ontario along the lines described in detail in Chapter 5 of the report.

that the universities of Ontario through the Ontario Universities' Television Council and / or the Channel 19 Committee or other appropriate body, actively seek collaboration with educational authorities at all levels and with public and commercial as well as educational broadcasting authorities to devise effective and systematic ways of exploiting radio and television to communicate as widely as possible, and to all age groups, an understanding of what higher education is, what it offers, and that it is a realistic goal for talented young people whatever their family or economic circumstances.

that the Ontario Universities' Television Council be reconstituted with terms of reference as follows:

(a) To facilitate the exchange of electronically and photographically produced instructional materials among the universities of Ontario by providing technical advice and assistance as requested by academic discipline groups and approved by the Committee of Presidents of Universities of Ontario;

(b) To advise and assist CPUO on all matters pertaining to the relationships of the universities of Ontario with the Ontario Educational Communications Authority and/or any regional authorities which it may establish;

(c) to advise CPUO at its discretion on any matter relating to the technical capacity of electronic delivery systems within and among the universities of Ontario;

(d) to maintain liaison between CPUO and the AUCC Learning-Media Office.

Wrestling Tournament

On Saturday, April 3rd, the first city and district elementary school wrestling tournament will be held in the Faculty of Education gymnasium at Lakehead University.

At present, twenty public and separate schools have embarked on "wrestling fun" programs in which the basics of ground wrestling are taught. Mr. Gordon Garvie, Lakehead University's wrestling coach has co-ordinated the new program with the help of the physical education students and Nor'wester team members.

In the competition there will be no stand-up wrestling. The matches will be two periods of two minutes each, and a fall is awarded when one boy holds his opponent's shoulders to the mat for two seconds.

Since boys wrestle almost as soon as they can walk, this seems like a natural outlet for physical exercise needs. Emphasis will be placed on participation and competition rather than solely on winning.

A trophy will be awarded to the school with the



most points and 1st, 2nd and 3rd place ribbons and momento ribbons will also be awarded. Age classes have been set as follows:

Novice - 8 years and under;

Junior - 9 to 11 years;

Senior - 12 to 14 years

Weight divisions will be established within each of the classes.

Anyone in the city who is interested in helping with the youngsters is asked to call Mr. G. Garvie at Lakehead University.

Pygmalion Production

The Lakehead University Residence Drama Group will present their production of **Pygmalion**, on Friday, April 2nd, 8:00 p.m. in the University Centre Theatre, under the direction of Mr. John Chipman. This production has involved a large number of people all of whom are Residents in the Lakehead University Residence. This group is, at the present time, the only purely student drama group on the campus. Although the group has no financial support except for the Residence Council there will be NO Admission charge at the production of Pygmalion.

Cast:

Eliza Doolittle
Henry Higgins
Colonel Pickering
Alfred Doolittle
Mrs. Pearce
Mrs. Higgins
Mrs. Eynsford Hill
Miss Eynsford Hill
Freddie
Parlourmaid
Bystanders

Irene Rooney, Sault Ste. Marie, Ontario
Bill Spriggs, Ottawa, Ontario
Terry Blake, Belleville, Ontario
Cecil Stewart, Belfast, Ireland
Linda Watson, St. John, New Brunswick
Lynette Lay, New Westminster, B.C.
Pamela Mann, Sault Ste. Marie, Ontario
Linda Koblovsky, Scarborough, Ontario
Randy Toye, Scarborough, Ontario
Betty-Ann Theriault, Hawk Junction, Ontario
Bill Gedy, Etobicoke, Ontario
Margaret Cheney, Red Lake, Ontario

Technical Staff

Sets
Lighting
Sound
Stage Manager
Assistant Stage Manager
Properties

Walter Cook, Belfast, Ireland
John Scott, Schreiber, Ontario
Peter Gorman, Oakville, Ontario
Harry Huskins, Nova Scotia
Brian Houston, Alvinston, Ontario

Make-up
Costumes
House Management
Stage Hand

Phil Petch, Port Credit, Ontario
Barb Johnston
Pat Rooney, Sault Ste. Marie, Ontario
Jennifer McInnes, Terrace Bay, Ontario
Gloria Gonske, Vermilion Bay, Ontario
Helen Harness, Schreiber, Ontario
Bill Wallis, Richmond Hill, Ontario

Stratford Courses

There is still space for further registrations in the English program offered by Department of English at Stratford-Upon-Avon, England this summer.

This is an excellent opportunity to spend July 1st to August 19th in England, attending productions at the Royal Shakespeare Theatre, attending lectures at the Shakespeare Institute and visiting points of interest in the English Midlands. Course registrants will stay in private homes and guesthouses in Stratford-Upon-Avon.

Included in the cost of \$779.00 are the charter flight from Thunder Bay to London, England return; transportation from London to Stratford-Upon-Avon by coach return; Excursions; theatre tickets; living accommodations including breakfast and evening meal daily; and tuition for one course. (Not included are accommodations from August 14th - 17th which is free time for individual trips.)

Courses being offered include English 2a6 (Shakespeare), English 3u6 (Advanced Shakespeare) and English 3b6 (Modern Drama).

Honors credit is possible in each course. The instructors will include members of the personnel of the Royal Shakespeare Theatre, the University of Birmingham, the University of Bristol and Lakehead University.

Applications should be made as soon as possible, and must be accompanied by a non-refundable deposit of \$50.00. (Deposit will be refunded if, for any reason, the course must be cancelled by the University). Further information is available from Dr. George Merrill, Acting Chairman, Department of English, Lakehead University, or from the Extension Department.

Band Concert

Dr. Frank Bencriscutto, Director of the Minnesota University Band has confirmed that the Band will present a concert in Thunder Bay on April 15th. This group of fine musicians recently toured Russia for two months and is considered one of the finest symphonic bands in the United States. The Concert will be held in Selkirk High School, beginning at 8:00 pm. Tickets are \$1.00 for adults and one ticket will admit two students.

Hosting the Band will be F.J. Francis, Supervisor of Music Education for the Lakehead Board, Mr. Dennis Ralph, Convenor of Band Visits, the Music Departments of all Lakehead High Schools and Mr. John Bird, Music Education Department, Lakehead Separate School Board.

Tickets will soon be available from the Music Education Department Resource Centre, 10 South Algoma Street in the North Ward.

weekly events

- Friday
March 26 Circle K sponsoring Bar - Dance in Cafeteria & Agora, "Tote Family", 9 p.m., Admission \$1.00 LU students, \$1.50 non-students.
Lakehead Choral Groups Production of "Iolanthe", U.C.T., 8 p.m. Tickets \$2.50 Adults.
- Saturday
March 27 Arts Society sponsoring film "Waris", Upper Lecture Theatre, 6 - 10:30 p.m., Admission \$1.50 Adults, \$1.25 students, and 50¢ children, at the door.
- Sunday
March 28 A.M.S. Films in U.C.T., 6 p.m. "Loves of Isadora".
- Wednesday
March 31 The Incredible Forest Series: "Wood in Your Life", Mr. J. W. Haggerty, 8 p.m. Room MB1015.
- Friday
April 2 Language Department sponsoring "The Fiesta Espanola", main Cafeteria, 8:30 p.m., Bar, Admission \$1.50.
"Pygmalion", by University Residence Drama Group, in U.C.T., 8 p.m., NO Admission Charge.
- Saturday
April 3 City and District Elementary School Wrestling, in Faculty of Education Gym at L.U.

Student Award Offered

The Real Estate Institute of Canada announced that the Claude Leigh Real Estate Award of \$500.00 will be presented to the person submitting the best article pertaining to any phase of Canadian Real Estate. To give the potential author an idea of the scope within which he may submit articles, one may cover such topics as Law, Architecture, Town Planning, Layouts such as local and main roadways, subdivisions, shopping centres, transportation and ecology, to mention just a few.

The final date for submission of entries will be July 1st, 1971. Entries must be typewritten, double spaced on one side of the page. Although no requirements as to the length will be enforced, it is recommended that the article be approximately 6,000 words. All papers submitted become the property of the Real Estate Institute of Canada and the decision of the judges is final.

The award will be presented to the successful applicant at the 1971 CREA Conference by the donor, M. E.P.C. Canadian Properties Limited. The winning article will be featured in the R.E.I.C. Journal and the Canadian Realtor.

Manuscripts are to be submitted to the Real Estate Institute of Canada, 99 Duncan Mill Road, Don Mills, Ontario, and must be marked "Claude Leigh Real Estate Award".

meetings

- Saturday Senate Meeting.
- Monday Meeting of the Senate Graduate Studies Committee, 9:30 a.m., Senate Chamber.
- Thursday Inter-Varsity Christian Fellowship Meeting, Room CB4056, 7 p.m.

Appointments

Mr. J.H. Kelleher has been appointed Assistant Professor in the Faculty of Education, effective July 1st.

Mr. Walter J. Whiteley, will be Special Visiting Professor with the Department of Mathematics for the 1971/72 Term.

