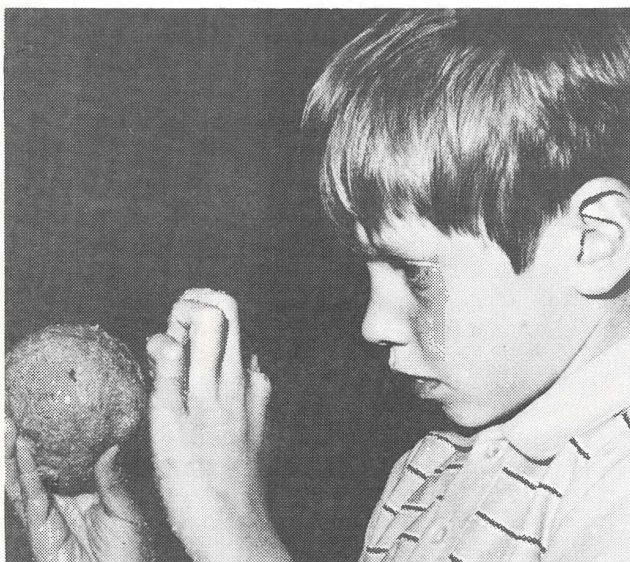


Science Fair

Thunder Bay and Lakehead University are preparing to welcome the exhibitors and delegates from thirty-eight Regional Science Fairs that will be attending this year's Canada-Wide Science Fair.



What is it? You may find answers to such questions at the Science Fair! -photo by Ken Campbell

These student exhibitors have been selected from the 15,000 that enter science fairs across Canada and will represent their region at the Canada-Wide Fair.

Exhibits are classified by their grades, grade 7, 8 or 9 being Junior entrants, grades 10 or 11 are Intermediate entrants and grades 12 or 13 are Senior entrants. There is no category for students below grade 7 or above grade 13.

Going across Canada from west to east, British Columbia is sending 2 exhibitors, Alberta 15, Saskatchewan 2, Manitoba 11, Ontario 64, Quebec 6, and New Brunswick 1.

Awards valued in excess of \$14,000.00 will be presented to students whom the judges deem to have displayed unusual originality and talent in conceiving and demonstrating their exhibit. These awards include a trip for three students to attend the London International Youth Science Fort-night in London, England, courtesy of Shell Canada Limited; one student from each province will tour Bell-Northern Research's research facilities as well as other scientific points of interest in Ottawa; another student will take a one week tour of Europe courtesy of Extended Education Programs. Nineteen professional scientific, en-

gineering and educational associations will be extending recognition to outstanding exhibitors with a variety of awards. Three valuable sets of encyclopedia will be awarded.

The Judge-in-Chief, Dr. Edward Mercy from the Geology Department of Lakehead University, and Deputy Judge-in-Chief, Dr. Harvey Allan Buckmaster from the Department of Physics, University of Alberta, Calgary campus, will supervise the judging of entries on Friday, May 18.

Even though the majority of the entrants will not share in the major awards, all will benefit from the opportunity to explore the region of Northwestern Ontario and experience the people of Thunder Bay and surrounding area.

Students began arriving at the Lakehead on Saturday, May 12, and will leave on Sunday, May 20. During their stay, George Campbell, Chairman of the Twelfth annual Canada-Wide Science Fair Committee, has arranged a variety of activities for the guests, including tours of the Thunder Bay area and its industries, banquets, seminars and a lot of parties where everyone can meet and get acquainted.

The Twelfth annual Canada-Wide Science Fair is sponsored by the Youth Science Foundation in cooperation with the Northwestern Ontario Regional Science Fair. Accommodation and exhibition site will be provided by Lakehead University.

All in all, the 1973 Canada-Wide Science Fair looks like an exciting event. Free public admission to the exhibits in the C. J. Sanders Fieldhouse is scheduled for 7:00 p.m. on Thursday, May 17; and for 11:00 a.m. to 3:30 p.m. on Saturday, May 19.

Math Students Excel

The thirty-third annual William Lowell Putnam Mathematical Competition was held on December 2, 1972. Three-man teams of undergraduate students from most Universities in Canada and the United States competed on behalf of their institutions. Also, several individuals entered the competition independently. The Lakehead University team consisted of P. Cameron, A. Tsekouras and M. Y. Wong.

The results of the competition were recently announced and the Department of Mathematical Sciences is pleased to announce that Mr. Wong placed in the top 10% of all participants. The Hong Kong native, who will receive his Honours B. Sc. in Mathematics from Lakehead University was ranked 122.5 out of 1,681. It is considered an honour in the mathematical community to place in the top 500 on the Putnam Exam.



Parking Rates

At its meeting on Thursday, April 26, 1973, the Executive Committee of the Board of Governors approved, on the recommendation of the University's Parking Appeals Committee, a parking fee schedule for 1973/74 which contains a \$5.00 per year increase for those students and staff members who are at the University on a full-time basis.

Since parking fees were introduced in September, 1971, no changes in fees have been made. But rising costs for labour, utilities, and materials have combined with fewer parking stickers being sold, due to the enrolment short-fall experienced in 1972/73, to force the recently-approved increase.

In its first year of operation (1970/71), parking had revenues of \$22,000 and costs, for the 10-month period from July 1, 1970 to April 30, 1971, of \$21,300. In its second year, however, parking revenues dropped to \$21,400 while expenditures for the 12-month period from May 1, 1972 to April 30, 1973, are expected to be in the range of \$24,000. An extra two months of operation, salary increases, and higher charges for electricity and contracted services (e.g. snow removal) were the reasons for the cost increase. Since parking must be a self-supporting operation, surpluses and losses must be carried forward from year-to-year. 1973/74 revenues must not only cover the costs incurred in that year, but also cover the accumulated deficit. The \$5.00 increase in parking fees for full-time members of the University community will help to produce an expected revenue of approximately \$28,000. The Executive Committee of the Board of Governors also approved a change in the parking authority on the recommendation of the Parking Appeals Committee (which is composed of one faculty representative, one student representative, and one administration representative). Henceforth, the Parking Committee will have authority to establish and amend parking regulations, to review and decide on appeals, and to recommend parking fees to the Board of Governors for its approval. Previously, the Committee was only involved with appeals from tickets issued for traffic violations. Membership on the new Committee will consist of one faculty member appointed by the Faculty Association, one student appointed by the Students' Union, and one member of the administrative staff appointed by the President. Members appointed to the Parking Committee will normally serve for a two-year term.

Family Concern Increasing

Dr. Keith Wood, Director of Lakehead University's Family Life Programme, recently returned from a conference on many aspects of Family Living sponsored by the Sault Ste. Marie Community Council. Dr. Wood made the trip at the invitation of the Vanier Institute of the Family in Ottawa. He was impressed by the growing concern for the state of health of the institution of the family in modern North American society. Dr. Wood acted as a resource person for discussions and workshops on family life education in Ontario schools. But this was only one of many topics relating to family life.

From Wednesday, May 9 to Friday, May 11, Dr. Wood also took part in the Annual Conference of Family Life Educators of Ontario, to be held in Ottawa. It is the purpose of this conference to facilitate the exchange of information between various school boards and universities involved in family life and sex education for the twopronged purpose of strengthening programmes already in existence and helping others to avoid some of the pitfalls while establishing new programmes.

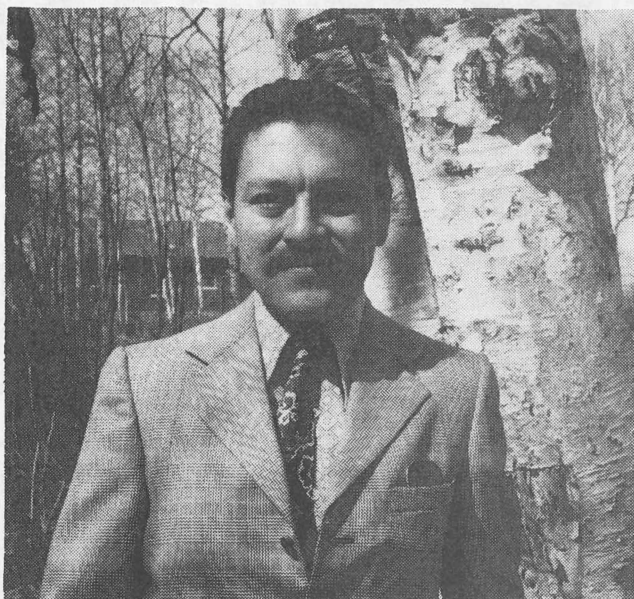
In speaking of the Family Life Programme at Lakehead this year, Dr. Wood spoke very highly of the winter programme undertaken as an experiment in Kenora, where 80 people enrolled. News of the success of this programme spread rapidly to other Northwestern Ontario centres, many of which have requested similar programmes for the coming fall. As for the summer programme on campus at Lakehead University, advanced registration indicate there will be participants from as far away as British Columbia and Newfoundland. Dr. Wood is particularly pleased with the support for the summer programme shown by the Kenora Public School Board, and numerous other institutions and individuals across Ontario.

History Note

Dr. J. Donald Wilson of the Department of History recently spoke to a group of about fifty high school students at Hillcrest High School on the subject of "Finnish Immigration to British Columbia". They are all students in Mrs. Kahara's Finnish-language courses and about half of them are travelling to Vancouver next month to attend the annual Finnish-Canadian Festival and to carry out a small research project on Finnish settlement in British Columbia in the early twentieth century.

New Academic Appointment

Dr. Andrew D. Booth, President of Lakehead University, is pleased to announce the appointment of Manuel Suárez as Director of Music at Lakehead University. The appointment is directly related to recent Senate decisions to expand credit offerings in instrumental music as well as theory and music history. Mr. Suárez is hopeful that such pilot courses will serve as a foundation for an eventual full degree programme in music at the University.



Mr. Manuel Suárez

Music Director for the Lakehead Symphony Orchestra for the past year, Mr. Suárez has brought with him to the Canadian Lakehead an impressive background of individual accomplishment in the field of music, both as a performer and as an organizer.

Born in Mexico in 1943, he was raised with a violin in his hands from the age of four. Between 1956-1960 he studied at the New School of Music and Curtis Institute in Philadelphia under the sponsorship of his parents, friends and the Mexican government.

In 1960, he won full tuition scholarships at both the Juilliard School of Music and Cooper Union College in architecture. Instead of following either of these routes, Mr. Suárez chose to enroll in the Moscow State Tchaikovsky Conservatory of Music where he studied under the world's finest instructors until 1964. At that time he was awarded two new scholarships from the governments of Mexico and the Soviet Union to continue in post-graduate work.

As a result of this opportunity, he now holds the equivalent of Master of Music Education and Performance. In addition, just last summer he received the equivalent of a Doctorate in Performance from the Education Secretariat of Mexico. Upon his return to Mexico in 1964, Mr. Suárez

worked for the Mexican government implementing music programmes in the various provinces for a period of four years. Economic considerations and a growing family then forced him to accept employment with the National University of Mexico, where he performed as a concert master, soloist and conductor, in addition to instructing at that institution and the Universities of Sinaloa and Guanajuato. From 1968 to 1972, he was employed by the National Symphony of Mexico as associate concert master.

Mr. Suárez was primarily involved in the formation of various organizations for the purpose of promoting music and professional musicianship in Mexico. The Soloists of Mexico, a 32-piece chambre orchestra, still in operation, and still one of the best orchestras in Latin America, was formed by Mr. Suárez in 1970. About the same time, he helped form the National Quartet of Mexico which, sponsored by the wealthiest patron of the arts in Mexico, followed an initial appearance on a national cultural television network by ninety days of street performances in Mexico City, rain or shine.

His professional accomplishments include the organization of Mexico's ten top musicians into an association known as Promusica. Mr. Suárez and his brother, a pianist, are recognized as official soloists for the Mexican Foreign Relations Ministry.

Mr. Suárez was attracted to the Thunder Bay area primarily by the challenge of pioneering programmes in music education and performance. His background certainly seems to have prepared him to meet such a challenge.

Prospects Brighter

The Council of Ontario Universities notes with approval that the government's programme of stringency in university financing has been relaxed somewhat this year. Whereas student fees were increased substantially by government directive last year, this will be offset in some measure by more generous provisions to the Ontario Student Aid Program recently announced by the Minister. The government grants per student to universities in 1972-73 were virtually the same as 1971-72; with inflation this represented a reduction in support per student. This year, grant support is expected to increase by 2.8% per student, still less than expected increases in university unit costs, which are approximately double this amount. Exclusive of municipal tax increases which are simply transfers from the province to municipalities through the universities, the increase in total grants to universities will be under 5%.

The Council has been urging on the Committee on University Affairs and the Ministry of Colleges and Universities the importance of earlier information about universities' income in order to allow the institutions time to plan. University planning for 1974-75, less than a year away, must be based on an income unit value, as yet

unknown, and enrolment next fall, which is very difficult to predict. Multi-year planning and early announcement by government is needed if the universities are to be able to avoid scrambling to respond to emergency situations.

The present operating grants formula, based on student enrolments, does not provide the universities with sufficient income to meet unavoidable cost increases. What is needed is an equitable formula which takes factors in addition to enrolment into account and which gives more certainty to universities' expectations of income over a longer planning period.

BPHE Notes

- On Friday, April 27, Mr. Don Talbot of the Department of Physical and Health Education was the guest speaker at a swimming coaches clinic held at the University of Alberta, Edmonton. The clinic was sponsored by the Royal Glenora Swimming Club and held the evening before the Annual Edmonton Invitational Swimming Meet.

More than one hundred and fifty coaches were present at Mr. Talbot's lecture, which was followed by a question and answer session. The clinic lasted for about four hours and dealt with the Canadian swimming scene; psychology of coaching; team organization; training programmes; and techniques in all competitive strokes. During his stay in Edmonton, Mr. Talbot was interviewed on C.B.C. television, C.F.R.N. Television and C.J.C.A. radio.

Before his return, Mr. Talbot was approached by several nationally-ranked swimmers who expressed great interest in attending Lakehead University in the fall and working out under his tutelage.

- Gail Neall, who won the gold medal for Australia in the 400 metre Individual Medley in the 1972 Olympics, will be training at the Lakehead University pool for the next few weeks in preparation for the World Championships to be held in Belgrade in July. Miss Neall holds the world record for the Individual Medley.
- Mr. Talbot, who coached the Australian Olympic team, indicated that Shane Gould who won 3 gold medals and 2 silver medals in the Munich Olympics and is the holder of 5 world records, may also be visiting the campus during the summer months.

Microfilming Project

The Ontario Council of University Libraries has announced the completion of the Ethnic Newspaper Microfilming Project. A group of seventy newspapers, many of them inaccessible for research purposes prior to the undertaking of the project, are now available on 35mm roll film, providing valuable source material for historians, sociologists, political scientists, and others concerned with the study of Canadian ethnic and language groups. Among the groups represented in the collection are Belorussian, Black, Danish,

Finnish, Franco-Ontarian, German, Greek, Hungarian, Indian and Metis, Korean, Latvian, Maltese, Polish, Russian, Scottish, Serbian and Ukrainian.

In order to avoid possible duplication of effort, and to coordinate the project with other microfilming programmes still in the planning stage, the selection of titles was made in consultation with commercial microfilming firms, the National Library, the Canadian Library Association, the United States Library of Congress, the Center for Research Libraries in Chicago, and other organizations concerned with the microfilming of ethnic records. Newspaper files - many of them unique - were borrowed from a variety of sources, including ethnic organizations, regional archives, historical societies, public and university libraries, and private collections. Some newspapers were filmed in Europe, in cooperation with the Helsinki University Library, the Royal University Library, Oslo, and the University Library, Copenhagen. The microfilming itself was made possible through the generous support of the National Library of Canada.

Ontario Ethnic and Language Group Newspapers, an annotated checklist of almost five hundred newspapers identified in the course of the project, is being prepared by Mr. Duncan McLaren, Microfilm Project Manager, and will be published by the University of Toronto Press. Library holdings of both original issues and microfilm are shown for the National Library, the Ontario Archives, provincially supported Ontario university libraries, public libraries in Ontario, and some institutional libraries.

A list of newspapers microfilmed in the Ontario Council of University Libraries project, with prices, is available from the Council of Ontario Universities.

Summer Orchestra Programme

The Thunder Bay Symphony Association announces its Summer Festival Orchestra Programme. All young musicians between the ages of 9 and 16 now playing standard orchestral instruments are eligible.

The programme will consist of four parts: daily orchestral rehearsals in preparation for a full concert at the end of the programme; introduction to the art of chamber music; group discussions and supervised peer criticism; and two July concerts by the Lakehead University Musicians-in-Residence.

Those musicians, who will also form the staff for the Summer Festival Programme are Joseph Shufro, cellist, Michael Edwards, clarinetist and George Schulte, pianist.

The Programme will run through four weeks in July, 9:00 a.m. to 11:00 a.m., Monday through Thursday at the Avila Centre.



Orienteering Hosts

The Lakehead Faculty of Education, under the directorship of Professor Peter Rutherford will host this year's annual Ontario Orienteering Association Clinic-Workshop.

Orienteering, an activity relatively new on the Canadian scene, is well advanced in Europe, particularly in the Scandinavian countries. What it amounts to is finding one's way with the aid of map and compass. Competitors are dropped off at a designated place in the countryside, provided with various maps, instructions and compass, and left to find their way to a given destination.

The workshop will take place on campus from Saturday, May 19 and Monday, May 21. Thunder Bay and environs should provide challenging terrain for purposes of instruction, and especially for the orienteering competitions scheduled at the close of the sessions.

Wrestlers Advance

Co-wrestlers of the year at Lakehead University for two consecutive years, Elvin Martin and Terry Paice have been named to Canada World Cup Team. Canada will compete against the three top Olympic teams, the Soviet Union, the United States, and Japan in the first ever World Cup to be held in Toledo, Ohio, May 19 and 20. Martin will wrestle in the 198 lb. class. Since beginning his career as a freshman at Lakehead University, Martin has worked hard weight-lifting, as well as running and wrestling. In his first year ever in wrestling under Coach Gord Garvie, he placed second in Canadian College 190 lb. title.

Terry Paice has seen action from 167 lbs. up to Heavyweight for Lakehead University. He was the 167 lb. C.I.A.U. champion as a freshman at Lakehead University. In this, his second campaign, he won the 191.5 lb. Canadian Junior title. He will represent Canada at 180.5 lbs. in the World Cup. Paice is a native of Moose Jaw, Saskatchewan, where he wrestled in high school and was that Province's high school champion in the 165 lb. division under the direction of Dave Pyle of the Moose Jaw Fitness Centre. Presently, these two wrestlers are 1, 2 in the Lakehead University All-Time Scoring. Martin having 325 points and Paice 305. Paice leads all Lakehead University wrestlers in the Pin column with 49 in a total of 63 wins. Both are outstanding students of physical education.

Geographers Meet

From May 27 to 31, the department of Geography at Lakehead University is hosting the Annual Meetings of the Canadian Association of Geographers.

The program commences on Monday, May 28, with a full day session on "Geography and Public Policy in Canada". The keynote speaker and chairman of this session will be Dr. F. K. Hare, Director General, Research Coordination Directorate, Environment Canada. Dr. Hare will speak on "Resources, Environment and Science". Invited to speak in the session are Dr. N. L. Nicholson (University of Western Ontario), Dr. R. S. Thoman (University of California at Hayward), Dr. C. L. Jackson (Minister of State for Urban Affairs), and Mr. J. K. Naysmith (Chief, Water, Forests and Lands Division, Northern Development Program, Ottawa).

Over sixty papers will be presented in sessions on May 29 and 30. These cover a wide range of topics, with several sessions continuing the conference theme in public policy, transportation, environmental problems, land utilization, urban problems, agriculture and the northlands.

Though these professional meetings are for the membership of the Association the Local Arrangements Committee have initiated a day registration fee of \$3.00 for any non-member wishing to attend part of the proceedings. However, an open invitation is extended to anyone interested in the main session on Public Policy on Monday, May 28.

A copy of the full Program will be lodged with the Information Office, Telephone 345-2121, Extension 300.

Biology Note

Dr. J. P. Ryder, Department of Biology, has been elected as one of five directors to the Executive of the Federation of Ontario Naturalists. In this capacity Dr. Ryder represents Northwestern Ontario on matters related to land use and environment issues.

To Press

Dr. J. M. Dryoff of the Department of English announces that his most recent book, entitled *The poems of Rufinos: Verse Translation of Poems by an Ancient Greek Poet* has been accepted for publication later this year by Borealis Press of Ottawa.

weekly events meetings

Thursday May 17	-Canada-Wide Science Fair - Open to Public Viewing this evening from 7:00 p.m. to 10:00 p.m. - C.J. Sanders Fieldhouse.
Friday May 18	Dance in the cafeteria
Saturday May 19	Canada-Wide Science Fair - Open to Public Viewing from 11:00 a.m. to 3:30 p.m. this afternoon - C.J. Sanders Fieldhouse
Sunday May 20	Thunder Bay Symphony School of Music Recital takes place at 3:00 p.m. at the Mary J. Black Library on Brock Street
Saturday May 26	Final Lakehead Symphony Orchestra Concert will take place at Selkirk High School commencing 8:30 p.m.
Sunday May 27	Final Lakehead Symphony Orchestra Concert will take place at Selkirk High School commencing 3:00 p.m.

Historical Events

- The Thunder Bay Historical Museum Society announces a General Meeting to take place Thursday, May 17, 1973, at 8:00 p.m., in the Thunder Bay Museum. The programme is entitled "Show and Tell."
Three or four people will bring artifacts for viewing and will tell something of their history.
If anyone attending this event cares to bring an artifact which they cannot identify, perhaps someone present will be of some help in this regard.
Members please bring a friend. All are welcome.
- The President and Board of Directors of the Thunder Bay Historical Museum Society announce the Official Opening of The Robert Joseph Flaherty Collection at the Thunder Bay Museum, 219 May Street South, Thunder Bay, Ontario, in the Crawford C. McCullough Art Gallery, on Friday, May 25, 1973, at 8:00 p.m.
Among the many famous men and women who have called our area home, Robert J. Flaherty is certainly outstanding. Son of a mining manager, he proved himself a 'natural' geologist and explorer, a skilled classical musician, an inspired photographer and became known as the "Father of the Documentary Film."
His first motion picture, NANOOK OF THE NORTH (produced in 1922), is still ranked among the greatest films ever made. The story of the "shooting" of this Arctic epic as well as the adventurous years that preceeded it are the subject of an Historical Society Memorial Exhibit.
The Society's collection of rare Flaherty photographs has been expanded by private contributions to comprise a display emphasizing not only the filmmaker's exciting exploits but the crucial influence of this area and its people on his career.
The Exhibit represents the most extensive tribute to Flaherty ever mounted in Canada and will be open to the public from May 26 through June 24.

Library Hours

The Library Opening Hours during the Spring Term, 1973 will be as follows:

Monday - Friday 8:30 a.m. - 12 midnight
Saturday 9:00 a.m. - 5:00 p.m.
Sunday Closed

Please note also that as the University will be closed for the Statutory holiday on May 21, 1973, the Library will also be closed.

Remote Sensing

Members of the Ontario Interpretation Team of the Canada Centre for Remote Sensing, have the task of acquainting potential users with the imagery and programmes of the Centre. Their primary objective is to demonstrate the capabilities of airborne remote sensing imagery in application to many fields of research.

The team will be on campus on Tuesday, May 22. A formal introductory demonstration will be given in RB-2047 at 10:00 a.m. with informal discussion taking place in the Little Dining Room from 12:30 - 5:00 p.m.

The visit is part of a wider programme of the team, but is to be one of very few that will be made in Northwestern Ontario. It should appeal to anyone within the general fields of forestry, geology, biology, geography, engineering and economics as well as to many local people in public administration and business.

Any further questions or particular requests for discussion time should be directed to Brian Phillips, Telephone 345-2121, Extension 381.

