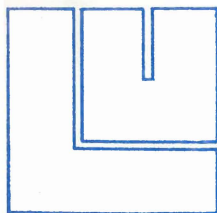


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WEEK

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Promotion Winner

Mrs. Day Laban, Manager of the Lakehead University Bookstore, has recently received a cash award from the *College Store Journal*, official publication of the National Association of College Stores. Mrs. Laban's memo headed "Expecting textbooks in September? To assure prompt delivery orders are due April 15" was selected as the best entry in the "making the point" category.



"Lulu"

Mrs. Laban also wishes to take the opportunity to introduce Lulu, the LU Bookworm, who will appear on all official Lakehead University Bookstore stationery.

McNie On Financing

The Government of Ontario has approved a revised method of paying operating grants to colleges and universities known as "slip-year" financing.

Beginning in the 1973-74 fiscal year, formula grants will be based on the actual student enrolment of the previous year at each institution, rather than being based on current enrolment as at present. This is how the "slip-year" will be calculated.

The current financing of colleges and universities ties the operating grant of each institution to student enrolment. This method - known as formula financing - has provided colleges and universities with an expanding revenue during their period of rapid growth.

Many post-secondary institutions in Ontario, as in other provinces, have been confronted with budgetary problems as a result of a recent levelling off or a decrease in student enrolment. After consultation with the universities, colleges and advisory bodies concerned, the Government has therefore decided to revise the way in which the formula is applied by introducing the "slip-year" system. This will minimize future financial difficulties during a period when enrolment appears to be stabilizing and will assist orderly and effective planning and budgeting by the universities and the colleges of applied arts and technology, as they will be assured of a known level of support in advance.

The "slip-year" will be introduced in the 1973-74 fiscal year and details of the 1973-74 grants to

colleges and universities will be announced after the presentation of the budget in the Legislature in April.

Several post-secondary institutions in Ontario suffered a decrease in student enrolment in 1972-73. As a result, the introduction of the "slip-year" system would penalize them in two successive years with a low operating grant. To assist these institutions - principally church-affiliated colleges, Algoma College, Lakehead University and the University of Windsor - they will receive in the current year special supplementary grants based upon their higher enrolment in 1971-72.

It is hoped that the introduction of "slip-year" financing, combined with the present practice of announcing in advance the value of the Basic Income Unit for formula grants, will help our colleges and universities to plan ahead with assurance of provincial support.

Toxic Casseroles

A research team at Lakehead University has confirmed recent reports that certain casserole-style cooking pots may be capable of releasing dangerously high levels of toxic metals during the course of household cooking.

Acting upon the suggestion of Mr. P. Enright, Master of the Hotel Administration Course at Confederation College, Dr. D. G. Holah of the Chemistry Department at Lakehead University conducted experiments on the cookware in question, with the help of University technicians Mr. D. Murray and Mr. D. Jones, as well as Dr. T. J. Griffith of the Instrumentation Laboratory.

Two cast iron casseroles coated with brightly colored glazes which were purchased by Mr. Enright over a year ago in Ireland were investigated and can be identified by markings on the underside of the lids. One is yellow, made in France and carries the name *Le Creuset*, and the other is orange, made in Belgium and bears the inscription *FE*.

The University workers established that the glaze on the orange casserole contains about 2% (20,000 parts per million) cadmium, a highly toxic metal which, according to Dr. Holah, displays some properties and characteristics similar to those of mercury. The glaze on the yellow casserole contains lead, antimony, zinc and a trace of cadmium. Both lead and cadmium can accumulate in the body and may eventually lead to serious illness and/or death if enough is ingested.

Both casseroles have colored glazes on the underside of the lids and in order to determine how much, if any, of these toxic metals could be extracted from the glaze during cooking, the following procedures were employed:



- 1) acetic acid (vinegar) was placed in the pots, the pots covered, and allowed to stand for sixteen hours at room temperature.
- 2) the pots, with above contents, were allowed to simmer for durations of 1 hour, 3 hours, and 5 hours
- 3) measurements of the concentrations of toxic metals in the vinegar were taken before the experiment, and after the end of each cooking cycle.

Results were as follows: in the case of the yellow pot, the concentration of lead increased from 0 parts per million after standing for 16 hours at room temperature to about 1 part per million after simmering for one hour. This concentration remained fairly constant throughout the remaining cooking cycles. In the case of the orange pot, however, the concentration of cadmium increased from 0 parts per million after standing for 16 hours at room temperature to 3.5 parts per million after one hour of simmering, to 8.9 parts per million after three hours and 18.3 parts per million after five hours. In addition, after sitting for another 42 hours at room temperature, the concentration in the latter case increased to 19.4 parts per million.

Dr. Holah pointed out that, while this testing procedure probably exceeds the most extreme conditions likely to be met in the kitchen, there nevertheless exists the danger that cooking with acidic foods (e.g. fruit juices, vinegar, etc.) may result in the extraction of dangerous levels of cadmium from the lid. To illustrate how undesirable cadmium is, a drinking water supply which persistently, over a period of time, showed concentrations of cadmium above the level of 0.01 parts per million may be rejected as unfit for human consumption.

The above experiments seem to indicate that the use of certain kinds of cookware may result in people consuming many times the concentration of cadmium considered safe, and confirm earlier reports documented in a series of articles appearing in the British weekly newspaper "*The Observer*" in December 1972, and January 1973.

There are many types of casserole which have been and are being sold in Thunder Bay and elsewhere in Canada, and there is no evidence at the present time to suggest that ones similar to those tested are not amongst them.

Dr. Holah is particularly concerned that people with casserole dishes with orange glaze on the underside of the lids either stop using them for cooking, or avoid releasing toxic substances by introducing a layer of aluminum foil between

the casserole lid and the food to be cooked. "*The Observer*" reported "that all casseroles that are not orange, red or orange-yellow on the insides are above suspicion".

A copy of this report has been sent to the Consumer and Corporate Affairs Office of the Canadian Government in Thunder Bay South.

Economics Notes

Mr. N. C. Bonsor recently gave an invited paper to the Economic Council of the American Institute of Mining and Petroleum Engineers in Chicago entitled "The Impact of Mineral Production on Regional Economic Growth". It was shown, with the use of a computerized model, that the multiplier effects for the Northwestern Ontario region from increased mineral production was small. The paper will be published in April 1973.

Dr. G. C. Ruggeri has completed a study on the relationship between tax structure and economic performance. The author used the Wharton Econometric Forecasting Model to simulate time-series of real output and capital stock in the United States from 1953 - 1963, first with and then without automatic stabilizers to determine the extent to which these stabilizers may act as a drag on economic growth. The results indicated the effects were negligible, except when mild recessions were followed by strong and sustained recovery periods. Dr. Ruggeri's study will appear under the title "Automatic Stabilizers, Business Cycles and Economic Growth" in *KYKLOS* (Vol. XXVI, No. 2, 1973).

Mr. T. D. Harris and Dr. C. A. Jecchinis discussed the problem of rising food prices in the "News Makers" program of CHFD, Channel 4, on Saturday, March 3, 1973 at 7:15 p.m.

Dr. F. S. Chen presented a Staff Seminar entitled "Learning by Doing ... A Static Analysis of the Problem of Unemployment" on Wednesday, March 7, 1973.

Sociologist Lectures

Dr. J. D. Martin of the Sociology Department gave a lecture February 28 at Hammarskjold High School on "Population, Ecology, and Natural Resources". Dr. Martin discussed the effects of the depletion of natural resources on the life style of specifically the North American population.

Elected

Mr. Gary Summers, the Secondary School Liaison Officer for Lakehead University, has recently been elected to the Executive Standing Committee on Secondary School Liaison which represents all



Ontario Universities. The Liaison Standing Committee co-ordinates all visitations to Ontario high schools, by various representatives of the fifteen Ontario universities and Ryerson Polytechnic Institute.

Recognition For Scholar

The publications of the English Department's Dr. Fayek Ishak have recently received an international recognition through a biographical inclusion in the *International Scholars Directory* (Strasbourg), 1973, p. 118. This directory includes "scholars, scientists, researchers, and academicians throughout the world."

Student Placement Notes

The following are deadlines for applications and the scheduled interview dates for recruiters coming on campus. Students interested in any of these employment opportunities should contact their Student Placement Officer immediately. Students are also urged to consult the bulletin board opposite the Student Placement Office for opportunities not listed below.

Part-Time Employment

—Students interested in part-time employment are advised to consult the bulletin board outside the Student Placement Office regularly in order to be aware of opportunities as they arise.

Summer Employment Opportunities

—Students who will be seeking summer employment are urged to register at the Student Placement Office as soon as possible since many deadlines have already passed.

—Ontario Ministry of Natural Resources accepting applications from Forestry, Biology, and Geography students - see Bob Armstrong or Dennis Bevilacqua.

—Integra Foundation, 263 Yonge Street, Toronto is operating Camp Towhee, a psycho-educational camp for children with learning disabilities. Interviewing for counsellors and remedial specialists. Application forms available at the Student Placement Office.

—Anyone interested in non-career oriented summer employment (clerical and manual) with Public Service Canada should have an application on file with the Student Placement Office in order to be considered for the positions as they arise.

—A local bank is accepting applications from 1st. year students of 3 and 4 year programs for full time summer employment as bank tellers. Deadline for receipt of applications: March 14. For further information contact Dennis Bevilacqua at

the Student Placement Office.

—The Ministry of Natural Resources is accepting applications from *male and female* students who would be interested in tree-planting this summer in the Dog River, Manitouwadge and Thunder Bay Districts. Briefing session for Dog River will be held in Room MB1021 at 9 a.m. Friday, March 9th. Interviews to follow. Application forms available at the Student Placement Office and must be received by March 7th for Dog River area and as soon as possible for the other two areas.

—The Lakehead Psychiatric Hospital is accepting applications from any students who would be interested in summer employment within various hospital departments. Application forms are available at the Student Placement Office and should be submitted as soon as possible.

—National Heritage Limited is accepting applications from students interested in various types of summer employment at Old Fort William from June 1 to September 15. Ideal candidates would enjoy working with a wide variety of people. For further information contact the Student Placement Office as soon as possible.

—The Ministry of the Environment anticipates that there may be vacancies available for 2nd. year Biology students this summer. Any interested 2nd. year Biology students are urged to pick up application forms from the Student Placement Office as soon as possible.

Permanent Employment Opportunities

—Lakehead Board of Education and Lakehead District Roman Catholic Separate School Board will be on campus March 28th. and 29th. to interview graduating Faculty of Education students. Contact Kathie Johnson at the Student Placement Office before March 16th. to arrange for an interview.

—Lakehead District Roman Catholic Separate School Board is accepting applications for the Eastern Area R.C. Separate Schools (Longlac, Geraldton, Beardmore, Manitouwadge, Nakina, Nipigon, Red Rock, Schreiber, Terrace Bay). Application forms are available at the Student Placement Office as well as explanatory letters which should be returned with the completed applications.

—Mental Health/Ontario requires mature singles and couples to staff group homes for young offenders. Primarily of interest to persons considering a career in youth work. For further information (eg. salary, location) contact Dennis Bevilacqua at the Student Placement Office as soon as possible.

weekly events

- | | |
|-----------------------|---|
| Friday
March 9 | -Forestry Dance "Milestone", cafeteria |
| Saturday
March 10 | -Movie "Mon Oncle Antone", UCT |
| Sunday
March 10 | -Movie "Mon Oncle Antone", UCT |
| Tuesday
March 13 | -Ukrainian Culture Lecture-Discussion series
RB-1022, 8 p.m. |
| Thursday
March 15 | -Wrestling - The Canadian Open Begins,
Fieldhouse |
| Friday
March 16 | -Wrestling - Canadian Open, Fieldhouse
-Physical Education Beer Garden, cafeteria |
| Saturday
March 17 | -Wrestling - Canadian Open
-Intimacy Concert: Mary J. L. Black Library,
8:15 p.m. |
| Sunday
March 18 | -Movie "Cheyenne Autumn", UCT |
| Monday
March 19 | -Ukrainian Culture Lecture-Discussion series,
RB-1022, 8 p.m. |
| Tuesday
March 20 | -Art Society Film Festival, UCT |
| Wednesday
March 21 | -Art Society Film Festival, UCT |
| Thursday
March 22 | -Art Society Film Festival, UCT |
| Saturday
March 24 | -Thunder Bay Symphony, Selkirk Auditorium,
8:30 p.m. |
| Sunday | -Thunder Bay Symphony, Selkirk Auditorium,
3:00 p.m. |

Provincial Aid Increased

Premier William Davis has announced increased provincial assistance to reduce the burden of education costs on municipal taxpayers in Ontario.

Mr. Davis said the increase in the government's share of the total elementary and secondary school costs from 58 to 60 per cent will "help keep local mill rates down and prevent large increases in property taxes for education this year". The Province's contribution to local education costs will increase by about \$92 million over last year.

Mr. Thomas Wells, Minister of Education, stressed that the provincial spending ceilings, which limit annual increases in local school budgets to reasonable levels, will continue.

New Chancellor

The Board of Governors of the University of Moncton approved the nomination of Reverend Father Clement Cormier as Chancellor of the University of Moncton at its regular meeting Friday, February 23, 1973.

meetings

- | | |
|--------------------|---|
| Monday
March 12 | Senate Continuing Studies Committee will meet at 4 p.m. in the Senate Chamber |
|--------------------|---|

The newly named Chancellor was one of ten Canadians recently invested by Governor General Roland Michener as Companions of the Order of Canada. Now director of the Centre for Acadian Studies on the University of Moncton campus, Father Cormier was also its first rector when the French language institution was founded in 1963.

Education Conference

The Annual Conference of the Association of Professional Educators for Northwestern Ontario was held March 1 and 2 in the Faculty of Education Building.

Approximately sixty delegates attended the Conference and heard talks by two visiting speakers, Mrs. Ada Schermann and Dr. Harold R. Wallace. Mrs. Schermann is Assistant Professor and Coordinator of the Early Childhood Education program at the Institute of Child Study of the University of Toronto. Dr. Wallace is Professor of Business and Distributive Education at Utah State University.

