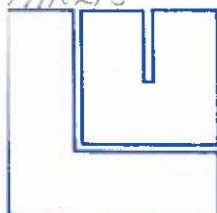


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Enrolment Shortfall

On the basis of figures compiled by the Association of Universities and Colleges of Canada from 50 universities and colleges, full-time enrolments for 1971-72 increased by 2% across Canada. This falls short of the 6% increase projected by the same group of institutions.

A regional breakdown of full-time enrolments shows the Atlantic provinces are up by 5% from last year, but below the projected increase of 6%. Quebec is 1% below last year's enrolment, but over its projected 4% decrease. (The information for Quebec is based on incomplete returns. Other sources indicate that actual 1971-72 enrolment may be somewhat higher than in 1970-71, and may conform to the national average of a 2% increase.) Ontario is up 5% from 1970-71 although down from its projected increase. The western provinces show 99% of last year's enrolment, considerably below the 5% increase foreseen.

Total part-time enrolment is up, although there are distinct differences between the regions. Ontario is the same as last year, the Atlantic and western provinces are up 4% and 6% respectively, while Quebec shows the highest increase (14%).

Since the 50 institutions surveyed had 84% of the total full-time enrolment in 1970-71 (267, 490 of 316, 690), it seems likely that the percentages above reflect the present enrolment picture in Canadian higher education.

New Appointments

- Dr. Jane Holliday, recently appointed Chairman of the School of Nursing, has enjoyed an extremely distinguished career as a nurse, administrator, educator and researcher.

She began as a United States Navy Nurse in 1943. After the Second World War she served as head nurse at a veterans' hospital until her return to full-time study in 1947.

Dr. Holliday earned her B.Sc.N. and M.A. in rapid succession from Western Reserve University, Cleveland, Ohio. She then returned to active duty as a Commander in the U.S. Navy Corps. As the first Navy Nurse assigned to N.A.T.O. at Izmir, Turkey, she received three official commendations for "outstanding performances", one awarded by President C. Byer of Turkey.

Between 1956 and 1960, Dr. Holliday studied and taught Social Psychology at Columbia University, from which institution she earned her Ph.D.

From 1960 to 1966, she concentrated on important research projects in Turkey, New York and Washington, D.C. Her research efforts in clinical nursing brought official accolades from the American Nurses Association, as well as inclusion in *Who's Who in American Education* in 1969.

Dr. Holliday has been involved as administrative head in graduate programs and clinical nursing research at Loyola University, Chicago, and the Medical College of Augusta, Georgia, since 1966. She is widely published in international nursing and education journals, and she has authored a book entitled *Public Health Nursing for the Sick at Home: A Descriptive Study*, New York, 1967.

Lakehead University welcomes Dr. Holliday.

- The Economics Department of Lakehead University is pleased to announce the appointment of Dr. G. Tchibrikov from the U.S.S.R., to teach a course in Marxian Economics. The decision to offer this course was reached only after considerable debate and discussion established its relevance.

Dr. Tchibrikov, born in 1931, is married and has one daughter. He joined the Economics Faculty of Moscow State University in 1949 and graduated in 1954. In 1964 he defended his thesis entitled "The Contradictions Among Monopolies of the U.S. and Developing Countries on the Basis of Capital Export". Since 1961 he worked as a teacher in the Department of Political Economy of Moscow State University and since 1968 as a lecturer there. Dr. Tchibrikov, specializing in capital export, has published 16 scientific works and for the past five years has studied the effect of the export of capital on the economy of developed capitalistic countries.

He will present a paper entitled "The Teaching of Economics and The Organization of Economics Departments in the U.S.S.R.", on Thursday, November 18, 1971, from 2:30 to 4:30 p.m. in Room L-4023.



Women of Reconciliation

Dr. A. Akram of the Psychology Department of Lakehead University has, over the past year, made use of \$11,000 in grants from the Sisters of St. Joseph of Sault Ste. Marie, to make analyses of their social structures, life style, commitment and dress. He has recently been granted \$15,000 to continue his research.

This Congregation, extremely active in Northern Ontario, administers hospitals in Thunder Bay, Elliot Lake, Rainy River and Little Current, as well as numerous music conservatories and convents such as the Avila Centre, located near Lakehead University.

Nuns' lives have become less cloistered as a result of the Roman Catholic Church becoming more aware of its social responsibilities in the early 1960's. Before that time, many convents had extremely rigid social structures which deeply affected life style and commitment. Their commitment was God-centred, and some of them experienced little need for understanding social, legal and psychological questions pertaining to the "outside" world. However, the Church is now emphasizing more than ever before that the commitment of all its members should expand to include service to mankind as a whole. As a result, they must become more familiar with said questions in order to function in relation to society in general without undue stress.

Many social changes have accompanied the Church's new approach. The most publicized has been the change in dress. In the Congregation studied, Dr. Akram discovered a very healthy attitude toward dress in relation to the sisters' life style. In order to facilitate their more active role in the society outside their own community, the sisters organized workshops. These groups, based upon the principles of collectivity and collegiality, enabled them to correlate new responsibilities. With respect to dress, a sister has freedom of choice, but only with the approval of the group. She is required to wear a habit unless she has wholesome reasons for breaking with tradition. For example, a sister will be allowed to wear contemporary dress to University classes if she argues sincerely that anonymity makes her feel more comfortable in a learning situation. On the other hand, if her reason should in any sense conflict with her vows, approval will not be given.

By analysing their life-style, Dr. Akram has helped the Sisters of St. Joseph to re-define their institution-

al and personal commitment. This Congregation has always had two well-defined apostolates - education and health. They have provided necessary services in these areas for over a century, caring for the sick and the poor at a time when society was not fully aware of its responsibility to various segments of its members.

However, boards of education and hospital commissions have arisen to take the load off their shoulders. This is another reason why the Sisters have found it necessary to re-define their role in serving mankind. They are now becoming concerned with the problems of the aged, who seem to be sadly neglected by social programs. They are even considering seeking elected office on school boards and other social policy-making bodies in order to bring their unbiased pressure to bear on social action.

However, this does not mean that the role of an individual Sister in a school or hospital has become redundant. Dr. Akram has suggested a renewed apostolate for some members of the Congregation - that of a social conscience role, the catalyst of social action to cope with the problems and ills of modern day Canadian society. He suggests this will enable them to rise to the challenge of serving society as women of reconciliation.

How Romantic Orchids?

After a monocot flower has been pollinated, the first product of fertilization is a single cell. This cell soon divides into 2, 4, 8, etc. and as hundreds of cells are formed they become organized into seeds as we know them. In orchids such development stops at a very early stage, the so-called seeds consisting of barely a hundred cells and showing none of the differentiation mentioned above. They are essentially aborted seeds. Such 'seeds' are minute, with the consistency of a light, coarse powder. Yet, they have to develop to thousandfolds before they can produce plantlets capable of photosynthesising their own food. It is generally accepted by researchers in this field that the food reserves in the 'seeds' are too scanty to permit such development, and that the necessary nutrients are provided by symbiotic fungi. In nature, this situation must prevail for ten to twenty years (depending on the species) before the orchid finally attains the flowering stage.

Dr. G. Harvais, Biology Department has been studying orchid mycorrhiza (root fungus) for over 10 years and is still attempting to find some answers to the innumerable questions which arise.

Senate Committee Membership

The following is a list of Senate Committee members appointed in recent Senate and Committee meetings. Complete membership lists, including ex-officio members, will be published as soon as they are available.

THE SENATE ADMISSIONS AND SCHOLARSHIPS COMMITTEE

Faculties and Schools Representatives

Assistant Professor G. Knapp, *Arts* 1971-74
Assistant Professor D. G. Hughes, *Science* 1970-72
Assistant Professor J.D. Bates, *Education* 1970-73
Lecturer E.G. Walsh, *University Schools* 1971-74

Alma Mater Representatives

Mr. Frank Baratta
Miss Susan Marquardt
Mr. Ian Murphy
Mr. Stephen Quan

THE SENATE ACADEMIC PLANNING COMMITTEE

Faculties and Schools Representatives

Professor G.F. Engholm, *Arts* 1970-72
Associate Professor E. Moser, *Arts* 1971-74
Professor J. Hart, *Science* 1971-74, Chairman
Professor E.L.P. Mercy, *Science* 1970-73
Assistant Professor S.P. Dromisky, *Education* 1970-73
Assistant Professor M.H. Richardson, *Education* 1970-72
Associate Professor K.W. Hearnden, *University Schools* 1970-73
Professor J.H. Widdop, *University Schools* 1970-72

Alma Mater Representative

Miss Marya Zajac
Mr. Bruce Prouty

THE SENATE JUDICIAL COMMITTEE

Appointees by Senate

Lecturer J. Forbes, *Arts* 1971-72
Assistant Professor R. Freitag, *Science* 1971-72

Associate Professor W.F. McCallum, *Education* 1971-72
Associate Professor W.J. Hanley, *University Schools* 1971-72

Alma Mater Representatives

Mr. Patrick O'Brien
Mr. Arnold Anzew
Mr. Bill Bartley
Mr. James Marsh

THE SENATE GRADUATE STUDIES COMMITTEE

Chairman - Professor S. Walker 1971 - 73

Graduate Studies Departmental Representatives

Associate Professor F.S. Chen, *Economics* 1970-72
Associate Professor F.M. Ishak, *English* 1971-72
Assistant Professor J.D. Wilson, *History* 1971-73
Assistant Professor E. Bauman, *Psychology* 1970-72
Assistant Professor J. Crossley, *Chemistry* 1971-73
Associate Professor P.O. Frederickson, *Mathematics* 1970-72
Professor D.G. Frood, *Physics* 1971-73
Assistant Professor A.H. Seuret, *Business* 1970-72

THE SENATE RESEARCH COMMITTEE

Faculties and Schools Representatives

Associate Professor A. Asimi, *Arts* 1971-72
Associate Professor K.M. Dodd, *Arts* 1971-74
Assistant Professor B.A. Phillips, *Arts* 1971-74
Professor I.M. Hoodless, *Science* 1970-73
Associate Professor J.S. Mothersill, *Science* 1970-73
Professor V.V. Paranjape, *Science* 1971-74, Chairman
Associate Professor G.K. Fleming, *University Schools* 1970-72
Assistant Professor R.G. Rosehart, *University Schools* 1971-74

THE SENATE LIBRARY COMMITTEE

Faculties and Schools Representatives

Assistant Professor M. Chen, *Arts* 1971-72
Assistant Professor W.S. Baarschers, *Science* 1970-72
Assistant Professor J.D. Frame, *Education* 1970-73
Assistant Professor A. Bartholomew, *University Schools* 1971-74

Alma Mater Representatives

Mr. Richard Charbonneau
Mr. Harry Huskins

THE SENATE ORGANIZATION COMMITTEE

Faculties and Representatives

Associate Professor H.N. McLeod, *Arts* 1971-72
Associate Professor A.A. Asimi, *Arts*
Assistant Professor I. Hannaford, *Arts*, Chairman
Professor D.G. Frood, *Science*
Professor D.R. Lindsay, *Science*
Professor E.L.P. Mercy, *Science*
Assistant Professor K.G. Fleming, *Education*
Assistant Professor E.R. Misanchuk, *Education*
Assistant Professor G. Vervoort, *Education*
Associate Professor V.A. Proyer, *University Schools*
Associate Professor J. Roberts, *University Schools*
Associate Professor M.A. Zablocki, *University Schools*

Alma Mater Representatives

Miss Susan Brown
Miss Marya Zajac
Mr. James Marsh

THE SENATE ACADEMIC STAFF COMMITTEE

Associate Professor A.B. Chen, 1971-72 *Arts*
Assistant Professor S. Magwood, 1971-72 *Science*
Associate Professor J. C. Mothersill, 1971-72 *Science*,
Chairman
Miss Marya Zajac, *Student representative*

THE SENATE ACADEMIC SERVICES COMMITTEE

Faculties and Schools Representatives

Assistant Professor J.F. Evans, *Arts*
Associate Professor D.G. Holah, *Science*
Assistant Professor J. Lovekin, *Education*
Assistant Professor W.C. Honey, *University Schools*

Alma Mater Representatives

Mr. Terry Kovanchuk
Mr. Allan Ramsey
Mr. Douglas Sturges
Mr. Gordon Trimble

THE SENATE EXTENSION AND SUMMER SESSION COMMITTEE

Faculties and Schools Representatives

Assistant Professor R.C. Ripley, *Arts* 1971-72
Lecturer P. Wesley, *Arts*, 1971-72
Associate Professor G.N. Ozburn, *Science* 1971-72

Assistant Professor P.K. Gupta, *Education* 1971-72
Lecturer G.L. Firman, *University Schools* 1971-72

Alma Mater Representatives

Mr. Paul Kennedy
Mr. James Marsh

Yule Fling Announced

The Christmas Party Committee, including Margaret Bennett, Ruth Dundas, George Merrill, Ted Broughton, Moe Ktytor, Linda Phillips, Dick MacGillivray, and Flora Watson reminds all University personnel that Christmas is just around the corner, which means it's time to start thinking about Lakehead University's Fifth Annual Christmas Party.

Saturday, December 18th is the day. Mark it on your calendar now!

From 6:00 to 7:00 p.m., a cocktail hour will be held in the Main Cafeteria. At 7:00 p.m., a smorgasbord will be served in the Residence Dining Room, and dancing will take place in the Main Cafeteria from 9:00 to 1:00 a.m.

Tickets are limited to 400 and are selling at \$5.00 per person. Refreshments will be available at 5 for \$2.00. Dress is semi-formal.

Tickets may be obtained from any member of the Committee listed above and may also be reserved by contacting Mrs. Phillips in the President's Office. Reserved tickets must be picked up and paid for by December 1. No refunds on tickets will be issued after Friday, December 10.

Quality Film Series

Mun Jung, Director of the Lakehead University Film Society, announces the formation of the Society and its upcoming program. The Film Society's function and purpose is to enable the university community, students, faculty, and the public to view unique, selected films, that are not currently shown in the commercial theatres. Activities begin with an introductory INTERNATIONAL SERIES of six films from various countries, including Sweden, France, Japan, Greece and Brazil, by some of the world's most famous directors. Series admission tickets are available at the LU BOOKSTORE or at the door, with the first screening on November 25 of Marcel Camus's **BLACK ORPHEUS** at the University Centre Theatre, 6:30 and 9:00 p.m.



Many of those questions are extremely difficult to solve due to practical difficulties in studying mycorrhizal associations in nature for 10-20 years. It is therefore imperative to leave our native orchids untouched in nature until we know more about their life histories. A zealous but careless experimenter could destroy a species overnight. Nevertheless, many answers have been obtained, some indirectly by culturing the orchids (from seed) and the fungi together and separately in sterile cultures on a variety of defined media under controlled conditions of temperature, illumination, etc.

It is not possible, if we knew by what mechanisms orchids control and digest their fungi, that we could not only solve some problems of plant diseases but even turn a disease-causing fungus into a beneficial one? A dream? ... Perhaps! ... Will time tell?

New AUCC Directors

M. Louis-Philippe Bonneau, vice-rector, Université Laval, is the new president of the Association of Universities and Colleges of Canada (AUCC). He succeeds Mr. A. Davidson Dunton, president of Carleton University who remains on the board as past president. The new vice-president is Dr. A.W.R. Carrothers, president, The University of Calgary.

The Indian and Education

On Monday, November 29, at 8:00 p.m. in the University Centre Theatre Mr. Ernest McEwen, former Executive Director of the Indian-Friendship Association, and present Chairman, Native Citizen Development Group, Department of the Secretary of State, Ottawa, will give a Public Lecture on **The Indian and Education**. Mr. McEwen who handles matters concerning our native peoples at Ottawa, is respected by native Indians across Canada. He is well known to them and has the confidence of those who know him and have worked with him. He has taught in an Indian school, in addition to serving for seven years with the Indian-Eskimo Association. He is a reasoned champion of native rights, and espouses their concern for self-development and the management of their own affairs. He has served with distinction on the Faculty of the University of Manitoba, and as Senior Education Officer in the Air Force. He is an individual University champion in track and field, and member of championship teams in soccer, basketball and fastball. Internationally, he is known for his work against racism

and illiteracy. He has been a Director of the Canadian Youth Commission and Canadian Welfare Council. He thus brings wide experience and deep penetration to his concern for education and the Indian.

The Meeting is co-sponsored by the Thunder Bay Indian Friendship Centre. The Ontario Metis Association, The Union of Ontario Indians, and Lakehead University. The Vice-President of the University, Dr. Donald R. Eldon will be Chairman of the Meeting to which all are heartily invited.

L. U. REVIEW Preview

Professor I.W. Hannaford, on behalf of the **Lakehead University Review** provides glimpses into the current issue:

"Public and Professional Disenchantment: the spectre of a new crisis in Canadian education"...With this provocative title, Professor Hugh A. Stevenson, Assistant Professor in the History of Education Department at Althouse College, sets the scene for the Fall issue of the **Lakehead University Review**. ... Is the present educational crisis genuinely new? Have any unique dimensions been added to the usual understanding of crisis situation in education?

In addition to a number of analyses of educational trends in Canada, the issue contains an historiography of the Northern Ireland crisis by Dr. Roger Scott of Queen's University, Belfast (compulsory reading for a course regularly taught at Lakehead University, and Lakehead University Librarians!), and our own Amadee Scholl, Assistant Professor of Romance Languages, has the last word with a brilliant quotation from Maurice Nadeau: "The whole of this difficult way through chaos and ruins leads us to what we are, to what the world is around us. It enables us not to continue living as strangers in our own lives."

Copies of **Lakehead University Review** are on sale in the Lakehead University Book Store, and subscriptions may be placed with the Office Services Manager, Miss Leona George. Please support this worthy academic cause!

Student Employment Note

Bell Canada is accepting a limited number of applications for summer employment this year. All interested students are requested to visit the Student Placement Office immediately because of the early cut-off date for the receipt of applications.

weekly events

- Thursday
November 18
- Debate About God and Man - topic Man's Question: God's Answer, Reverend Wm. O. Fennell - Upper Lecture Theatre - 8 p.m.
 - Dr. G. Tchibrikov, of the Department of Economics will present a paper entitled "The Teaching of Economics and the Organization of Economics Departments in the U.S.S.R." in Room L-4023 at 2:30 p.m.
- Friday
November 19
- The Nor'Westers Basketball Team meets Dakota State College in the Fieldhouse at 8 p.m.
 - The Nor'Westers Hockey Team vs. Lake Superior State College in the Port Arthur Arena at 8:30 p.m.
 - Intersquad Wrestling in the Fieldhouse at 3 p.m.
 - Engineering Society Dinner Dance, Cafeteria, 7 p.m.
- Saturday
November 20
- Lakehead Symphony Orchestra presents a second concert in the Fort William Gardens, featuring The National Arts Centre Orchestra. Performance begins at 8:30 p.m.
 - Movie "Patton" in U.C.T. at 1 a.m.
 - Nor'Westers Basketball Team meets Dakota State College in the Fieldhouse at 8 p.m.
 - Nor'Westers Hockey Team vs. Lake Superior State College in the Port Arthur Arena at 8:30 p.m.
 - Wrestling Clinic (elementary level) in Fieldhouse at 9 a.m.
 - A.M.S. "Lounge" 9 p.m. with "C.P.R. Blues"
- Sunday
November 21
- Movie "Patton" in U.C.T. 6:30 and 9 p.m.
 - Folk Mass in the Avila Centre
- Monday
November 22
- Intramural Broomball in Fieldhouse at 11 p.m.
 - Debate About God and Man - "The Beyond In Our Midst" with Reverend Richard M. Smith - 8 p.m. in MB-1006.
- Tuesday
November 23
- Intramural Broomball in Fieldhouse at 11 p.m.
- Wednesday
November 24
- Intramural Broomball in Fieldhouse at 11 p.m.
- Thursday
November 25
- L.U. Film Society presents "Black Orpheus" at 6:30 and 9 in U.C.T. Tickets available at L.U. Bookstore or at door.
- Friday
November 26
- Nor'Westers Basketball Team meets Southwest Texas State in Fieldhouse at 8 p.m.
 - The Junior Varsity Basketball Team will meet Mesabi State in Fieldhouse at 6 p.m.
 - Wrestling Dual Match between University of Manitoba Bisons and Lakehead University after basketball games.
 - Dance - LUNA/LUFA with "Jerusalem" 9 p.m. in Cafeteria.
- Saturday
November 27
- Movie "Pretty Maids All in a Row", U.C.T. 6:30 p.m.
 - Nor'Westers Basketball Team meets Southwest Texas State in Fieldhouse at 8 p.m.
 - Junior Varsity Basketball Team meets Mesabi State in Fieldhouse at 6 p.m.
 - French Club - Wine and Cheese party for club members with special guests, members of Summer Session courses in France. The evening is entitled "Souvenir de Caen" featuring slides and reminiscences of the summer in France.
 - BPHE Grey Cup Stag in Cafeteria 9 p.m.
 - Wrestling Tournament - Lakehead University, University of Manitoba, U.M.D., Thunder Bay Free Style Club in the Fieldhouse at 12 noon.
- Sunday
November 28
- Movie "Pretty Maids All in a Row", U.C.T. 6:30 and 9 p.m.
 - Tennis Tournament in Fieldhouse

meetings

- Thursday
November 18
- Meeting of second, third and fourth year language majors in the Aesthetics Lounge re student representative at the Department level, at 3:30 p.m.
 - Meeting of those who wish to organize Ski-hill and Tubing Run - Upper Lecture Theatre at 8:30 p.m.
 - Meeting of Association for Children with Learning Disabilities, in Faculty of Education Auditorium, 8 p.m.
 - Senate Meeting in Senate Chamber at 3 pm.
- Friday
November 19
- Computer Users' Meeting in Room MB-1001A, 4:30 p.m.
- Thursday
November 25
- Lakehead University Women's Association will meet in the Faculty Lounge at 8 p.m. There will be a Christmas Fashion Show and members are invited to bring a guest.
- Thursday
December 2
- Monday
November 29
- L.U. Girls Basketball Team vs. Regina in Fieldhouse, 8 p.m.
 - Public Lecture "The Indian and Education" with Mr. Ernest McEwan in U.C.T. at 8 p.m.
- Tuesday
November 30
- L.U. Girls Basketball Team vs. Regina in Fieldhouse at 8 p.m.
- Wednesday
December 1
- Intimacy Concert in Faculty of Education Auditorium. Wine Service at 7:30 and concert begins at 8 p.m.
- Thursday
December 2
- L.U. Nor'Westers Hockey Team vs. U.S. NATIONALS in FORT WILLIAM GARDENS at 8 p.m.
 - A.M.S. Nite Club "Brass Union," in cafeteria at 9 p.m.

NORTHERN
STUDIES
RESOURCE
CENTRE