

WEEK

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Changing Role Of Science

The October issue of 'Search' contains a thought-provoking article by Dr. John Hart, Director of Continuing Education, on the need for educating science students in a critical approach to their discipline and its role in society.

Dr. Hart points out that most politicians are ignorant of technical matters. In the past, this problem was glaringly apparent only during the accelerated pace of wartime technological development, but technical problems are now at least as acute as those faced during the two World Wars. Political systems are riddled with fact-finding and advisory commissions because the issues are too complex for politicians to sort out for themselves.

On the other hand, scientists cannot be expected to be the saviours of humanity because they are often reluctant or incompetent to assume political power.

There has also been a general disenchantment with the rational approach and with the kind of society made possible by science. Dr. Hart suggests that scientists may be unwilling to communicate the essence of their discipline to the layman. Some scientists are acquiring the appearance of a collective social conscience but often out of a sense of fashion rather than conviction. Such groups are often weak because of the difficulty of identifying their goals.

Dr. Hart continues by saying that science students are often naive about the application of their skills by society and lamentably defective in social awareness. He says, "The time is over-ripe for massive innovation, with the objective of giving them enough background to formulate a critical approach to the technical problems of society." This kind of attitude cannot be taught directly to children, but rather should be encouraged through appropriate changes in existing university courses and programs on all fronts. Knowledge must be imparted to both scientists and non-scientists in every conceivable aspect of the inter-action between science and society.

High Energy Speaker

On Friday, February 23, the Physics Department will host Mr. Edward P. Hincks, Principal Research Officer for the National Research Council, and Research Professor of Physics at Carleton University, Ottawa.

Mr. Hincks, closely associated with the National Research Council, Carleton University, and Atomic Energy of Canada Limited since 1941, must be considered one of the premier experts in high

energy physics in the world today.

At 3:00 p.m. on February 23, Mr. Hincks will address himself to the topic of "High energy physics: what is it? where is it going? what is happening in Canada?", in Room 1001 of the Main Building.

Phys Ed Conference

Representatives of the Ontario Ministry of Education, the Lakehead University Faculty of Education and School of Physical and Health Education as well as many interested citizens in Thunder Bay and surrounding area, organized a conference on physical and health education which was held at the University on January 26 and 27.

Better than 150 people participated in this program which was initiated for the purpose of promoting coordination of the various approaches to physical and health education in Northwestern Ontario. The conference attracted people from as far as Kenora in the west and Terrace Bay to the east.

Perhaps the most significant achievement of the meeting was the formation of a Northwestern Ontario Physical and Health Education Committee charged with the responsibility of planning seminars and workshops to be presented in the near future, particularly relevant to the needs of the region as they are encountered by teachers in the elementary and secondary school systems.

Second Language Study

Provincial Fellowships of up to \$2,000 have been made available to students who desire immersion in the milieu of their second language in any discipline.

The candidate must be an undergraduate or graduate Ontario student at a Canadian university and must have citizenship or landed immigrant status.

If the second language is French, the student should normally have an acceptance from a French language university in Quebec. In the case of English, the acceptance should be from a Canadian university with Discipline offerings in the English language.

Application forms may be obtained from:

Fellowship Section
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, 8th Floor
Queen's Park
Toronto, Ontario
M7A 1C6

The deadline date is October 31, 1973.



Interviewer

Dr. Chris Jecchinis, Chairman of the Department of Economics has been appointed interviewer of the candidates applying for studies at the Labour College of Canada.

The Labour College of Canada was founded in 1963 as an institution of higher education for trade union members. It is operated jointly by the Canadian Labour Congress, McGill University and the Université de Montreal.

Dr. Jecchinis has also been invited to give a series of lectures at the Weekend Trade Union Seminar sponsored by the CLC in Sault Ste. Marie next month.

Library Hours

Following are the library hours for the Pre-Examination and Examination Period from March 10 to April 27.

Monday - Friday	8:30 a.m.	-	12 midnight
Saturday	9:00 a.m.	-	12 midnight
Sunday	2:00 p.m.	-	12 midnight

Series Continues

The Departments of Political Studies and Economics wish to announce the visit of the second speaker sent under arrangements made with the Department of External Affairs. Mr. Gordon F. Cox will talk on "Bangladesh, Thailand and Vietnam," at 2:30 p.m. on Monday, 26th February in Room 2026, Ryan Building. All those interested are cordially invited to attend.

Mr. Cox was born in Toronto and graduated from the University of Toronto in 1937. He served with the Royal Canadian Air Force in Canada and in the United Kingdom. He joined the Department of External Affairs in February, 1946, since which time he has held numerous prestigious administrative positions in Canadian international affairs. Most recently, in 1969, he was appointed Ambassador to Thailand and, following recognition by Canada of Bangladesh, he also served concurrently as Ambassador and later High Commissioner for Canada in Bangladesh before returning to Canada in September, 1972. Mr. Cox is now Foreign Service Visitor at York University.

RODA Summer Scholarships

The Federal Ministry of Health and Welfare, through its Program of Research on Drug Abuse, is offering Summer Scholarships to aid in the training of drug researchers and to provide

employment opportunities for students on research projects directed toward providing information about all facets of non-medical drug use.

Students registered in Canadian universities and sponsored by established researchers are eligible for the awards, which will provide a stipend of \$1400 - \$1600 remuneration for the students (\$350-\$400/month) and a maximum of \$400 for project expenses.

This is a national competition, and its prerequisite is an excellent academic record. Qualified students are asked to contact Dr. K. P. Satinder at 345-2121, Extension 367, before February 28, 1973.

Appointments

At the Annual Meeting of the Lakehead Region Conservation Authority on February 15 two members of the Department of Geography were appointed to advisory boards. Mr. R. S. Dilley will sit on the Historical Sites Advisory Board and Dr. B.A.M. Phillips will serve on the Conservation Areas Advisory Board.

Computers And Geography

A Workshop is planned for March 9 and 10 on applications of computers to geographical studies. The program, run by Don Hallman and Brian Phillips, will include brief lectures of introduction the first evening and a full day working with the computer on the 10. No previous knowledge or skill at mathematics will be required and the workshop will be open to students and teachers alike. A nominal fee of \$2.50 will be requested and places will be limited to 25. Anyone interested is asked to contact the organizers by February 23 in order to receive advance materials.

Geographer's Visit

Dr. John Fraser Hart, professor of Geography at the University of Minneapolis, will visit Lakehead on Wednesday, February 28th.

Dr. Hart is a well known reviewer and critic of geographic publications and a promoter of geographic studies both in academic and government circles. At present he is the Editor of the Annals of the Association of American Geographers and he is also the author of a recent report on Manpower in Geography.

At 4:45 p.m., Dr. Hart will speak on "The Changing Cotton Belt" in RB-1044. At 8:00, he will give an illustrated lecture entitled "The Look of the Land" in the University Centre Theatre. A reception will follow in the Aesthetics lounge.



Commission Report

A meeting on February 1, of the Presidents and Board Chairmen of Ontario's provincially assisted universities, colleges of applied arts and technology and other post-secondary institutions was the occasion for Jack McNie, Minister of Colleges and Universities to announce the bringing down of the report of the Commission on Post-Secondary Education.

The Commission, chaired by Doug Wright and D. O. Davis spent four years studying, receiving submissions and holding hearings. The report outlines directions for change and instruments of change which could help provide flexibility in the post-secondary system in view of the Commission's conclusion that "post-secondary education is not an activity confined within the walls of the familiar institutions of teaching and learning."

Mr. McNie raised some very pertinent questions concerning the education system in his remarks to the meeting. Some of these are mentioned below:

- Will non-sequential learning be really accepted by the universities?
- Are we prepared to admit that much learning, and some of our best creative people, can never be institutionalized?
- Ought we not to more clearly define the purpose of graduate studies?
- How do we measure performance and potential for admission purposes?
- How do we make bilingualism work in the post-secondary scene?

Placement Office Notes

Part-Time Employment

- * See Bulletin Board outside Placement Office

Summer Employment

- * Opportunities for Youth 1973, a Federal Government program to provide summer employment for students on projects of benefit to the community.
- * Deadline for submission of projects is March 1
- * Frontier College requires Labourer-Teachers meeting 12 noon, March 5, AMS Council Chamber
- * Ontario Ministry of Natural Resources accepting applications from Forestry, Biology, and Geography students
- * See Bob Armstrong or Dennis Bevilacqua
- * Ontario Government summer jobs - contact Placement Office immediately
- * Integra Foundation operating Camp Towhee for

children with learning disabilities. Application forms for counsellors and remedial specialists available at Placement Office

- * Federal Government libraries in Ottawa
 - summer jobs for Library Technology students, apply to Public Service Commission by February 28
- * Ontario Department of Transportation and Communications
 - summer jobs in civil engineering - on campus interviews for Civil Engineering and Technology and Degree students - contact Bob Armstrong.
- * Abitibi Paper Co. - on campus interviews for Forestry students for summer jobs - application deadline February 21 - interviews February 27 - contact Bob Armstrong
- * Public Service Canada - non-career oriented summer employment - file application with Placement Office
- * Ministry of Natural Resources - tree planting - male and female students apply by March 7
- * Ministry of the Environment - local summer employment in their bacteriology section - interviews for first year biology students March 6 - apply by February 28 - contact Marty Pantoulas at Placement Office.
- * Ministry of the Environment - local summer employment in their chemistry section - interviews for second year Honours B.Sc. Chemistry students March 5 - apply by February 28 - contact Marty Pantoulas at Placement Office.
- * Lakehead Psychiatric Hospital - summer jobs - apply by March 2

Permanent Employment Opportunities

- * Pope and Talbot Co. Ltd. - accepting applications from Forestry Technology and Forest Research graduating students - contact Bob Armstrong
- * Burrough's Business Machines - accepting applications from any graduate interested in a career in marketing - apply by February 27 - interviews March 1 - contact Dennis Bevilacqua at Placement Office.
- * Lakehead Board of Education and Lakehead District Roman Catholic Separate School Board - on campus interviews for graduating Education students March 28 and 29 - contact Kathie Johnson at Placement Office.

Man And Resources

There will be a Northern Development Issue Group Meeting at 10:00 a.m. on Saturday, March 3 at 75 Maple Leaf Crescent for anyone concerned about development in the Thunder Bay area. For further information, please phone Taras Lesyk, 344-4076.

weekly events

- Friday
February 23 —L.U. Hockey vs. University of Winnipeg, 9 p.m., P.A. Arena
—L.U. Basketball vs. University of Alberta, 7 p.m., Fieldhouse
- Saturday
February 24 —L.U. Hockey vs. University of Winnipeg, 9 p.m., P.A. Arena
—L.U. Basketball vs. University of Alberta, 7 p.m., Fieldhouse
- Sunday
February 25 —Thunder Bay Chamber Orchestra
Faculty of Education Auditorium,
Lakehead University, 3 p.m.
- Monday
February 26 —Family Films - "Bighorn", "Mat-
rioska", "Ski The Outer Limits,"
showing from 7:30 to 8:30 p.m.,
Mary J. L. Black Library
- Tuesday
February 27 —Ukrainian Culture - Lecture/Disc-
ussion Series, Room RB-1022, 8
p.m.
- Thursday
March 1 —Hockey - N.A.I.A. Tourney, Fort
William Gardens
—Panel Discussion, "The Moral
Question of Abortion," Faculty
Lounge, 8 p.m.
- Friday
March 2 —Science Society Nite Club, cafe-
teria
—Hockey - N.A.I.A. Tourney, Fort
William Gardens
—Wrestling - Northwestern Ontario
Open
- Saturday
March 3 —Science Society Nite Club, cafe-
teria
—Movies: "Don't Knock The Rock"
and "Rebel Without A Cause",
U.C.T.
—Hockey - N.A.I.A. Tourney, Fort
William Gardens
—Wrestling - Northwestern Ontario
Open
- Sunday
March 4 —Movies: "Don't Knock The Rock"
and "Rebel Without A Cause",
U.C.T.
—Hockey - N.A.I.A. Tourney, Fort
William Gardens
- Tuesday
March 6 —Ukrainian Culture - Lecture/Disc-
ussion Series, RB-1022, 8 p.m.
- Thursday
March 8 —Geology Beer Garden, cafeteria

House Seeker

Professor Worthen Hunsaker, a mathematician from Southern Illinois University, wishes to rent a furnished house (preferably a cottage within 30 minutes' drive from LU) from June 9 to July 9 and possibly up to July 15. Those interested in renting are requested to contact Som Naimpally, 345-2121, Extension 229.

meetings

- Thursday
February 22 Senate Library Committee Meeting,
2:30 p.m., Senate Chamber
- Friday
February 23 Faculty of Arts Meeting, 10:00 a.m.
Senate Chamber
Faculty of Science Meeting, 4:00
p.m., Senate Chamber
- Monday
February 26 Board of Governors of Lakehead
University will meet at 3:30 p.m.,
Senate Chamber
- Wednesday
February 28 Senate Meeting, 2:00 p.m., Senate
Chamber

C.P.A. On Day-Care

The Canadian Philosophical Association is urging Canadian colleges and universities to create child day-care centres for children of members of the academic community. It is also asking provincial governments for financial and organizational support for day-care centres on Canadian campuses.

In letters sent to university and college presidents and provincial ministers of education and social services last week, the C.P.A. said that colleges and governments have a responsibility to provide an equal opportunity for all to participate in post-secondary education.

