

guelph

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7.5 % more for Ontario universities

Severe cuts ahead, warns President

Global operating funds to support Ontario's 15 universities will increase 7.5 per cent in 1983-1984 over the current year, The Honorable Bette Stephenson, Minister of Colleges and Universities, announced last Wednesday. This will bring the total funds available for regular operating support for the next fiscal year to \$1.113 billion.

President Donald Forster noted that while the figure was larger than some observers had expected, it is a far cry from the 11.8 per cent increase that the Council of Ontario Universities calculates would be needed to maintain the current level of operations. "There will still have to be some severe cuts," he said.

The allocation of the global operating funds to the various universities will be recommended to the Minister by the Ontario Council on University Affairs at a later date. The exact amount that the University of Guelph will receive will not be known until that time but the percentage increase will be somewhat below the system average.

In addition to the 7.5 per cent increase in the regular operating support, Dr. Stephenson announced a special one-time allocation of \$12 million for 1983-1984 for expenditures on equipment for undergraduate teaching and on library equipment and acquisitions. This amount will be distributed on a pro rata basis to universities on the current year's operating grants.

The Minister's statement noted that universities would be asked to give high priority, under this special grant, to improving equipment in science and engineering programs.

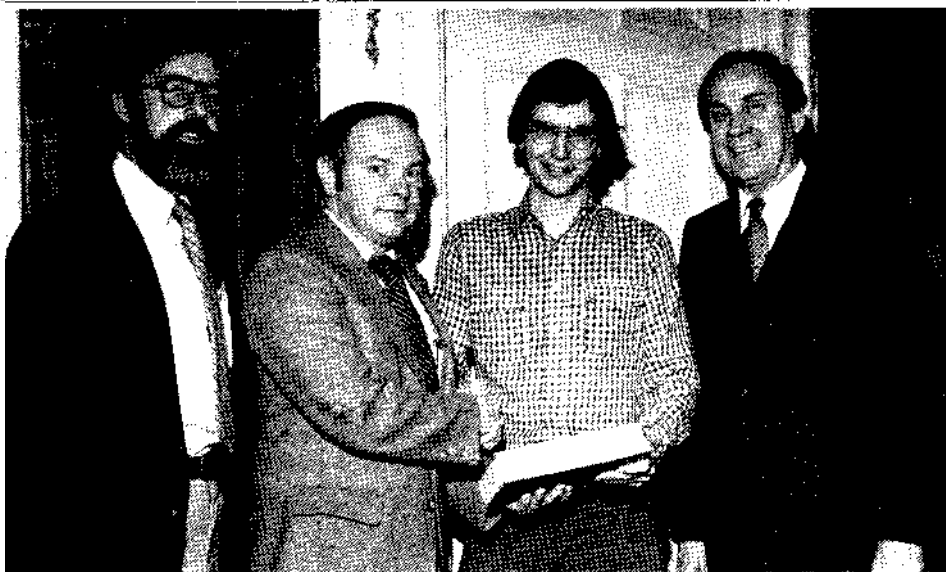
Information regarding regular capital grants will be announced at a later date, Dr. Stephenson added.

In keeping with the spirit of the government's inflation restraint program, formula tuition fees for Canadian citizens and permanent residents will increase only five per cent.

One bright spot in the Minister's announcement, according to President Forster, was that previously announced increases in graduate

tuition fees for visa students will not be implemented this year. Instead they will rise by the same five per cent figure that applies to domestic students, in response to a memorandum from the OCUA.

Undergraduate tuition fees for visa students, however, will increase, as announced last year, from approximately half of educational costs to two thirds of educational costs. Those increases apply to new visa students. □



Left to right: David Hull; Prof. John Black, Paul Dick and Dean Douglas Maplesden.

Library hails millionth visitor to OVC Division

When third-year OVC student Paul Dick of Georgetown, paid a routine visit to the OVC Division of the Library recently, he walked through the turnstile to find himself an instant celebrity. Applause, handshakes, flashing camera bulbs, congratulations and the presentation of a book, *Clinical Examination of Cattle*, greeted him as the one millionth person to enter the Division since the turnstiles were installed eight years ago.

The OVC Division dates back to the 19th century. Books travelled from the old home in Toronto with the rest of the College in 1922. In the mid-1970's the Division's facilities were renovated and extended. The

official opening took place in January, 1976.

David Hull, who doubles between duties in the McLaughlin Library and serving as Librarian for the OVC collection, describes it as a comprehensive facility comprising more than 30,000 volumes embracing far more than the veterinary sciences. It is also used by students from other Colleges who are working in areas of nutrition and human biology. City of Guelph doctors draw on its resources in clinical medicine and surgical techniques.

The historical moment of the one millionth visitor was marked by a short ceremony attended by, among others, OVC Dean Douglas Maplesden, Associate Librarian John Black and Mr. Hull. □

Canada withdraws bid for site of international biotechnology centre

Canada has decided not to apply to provide the site for the proposed International Centre for Genetic Engineering and Biotechnology being sponsored by the United Nations Industrial Development Organization (UNIDO). The Honourable Donald Johnston, Minister of State for Science and Technology, made the announcement in Ottawa last week. He cited financial concerns.

The Universities of Guelph and Waterloo had been jointly supporting a site in the Waterloo-Wellington area as the location for the Centre if it should come to Canada, while many other provinces, including Quebec, had also expressed interest.

Dr. Dennis Howell, Centre for International Programs, has officially assured Mr. Johnston that the two universities "will support the Centre in any way practical and appropriate, wherever it may be located."

The Minister, in his statement, pointed out that a lack of interest by most industrialized countries meant that Canada would have to assume most of the capital and operational costs. "If Canada is to contribute

many millions of tax-payers' dollars to the support of biotechnology, it is important to ensure that Canadians exercise a large measure of control over the manner in which funds are spent and the purposes they serve," he said.

The proposed Centre is envisioned as a world-class research centre attracting about 100 scientists of international stature. The infrastructure, which has been estimated to cost about \$50 million would be financed primarily by the host country.

Mr. Johnston's announcement left the door open for future development of such a Centre in Canada, either associated with the United Nations or only domestically. "In either case," the Minister said, "we must ensure that it is compatible with our domestic commitment to this emerging area of scientific and industrial activity."

He concluded by pointing out that he had instructed his officials to follow developments at UNIDO closely with a view to making further proposals. He will also be holding further discussions with provincial ministers with a view to strengthening domestic efforts. □

Nominations sought for Senate seats

The month of March marks the annual Senate elections for the session commencing September, 1983. Faculty members, undergraduate students and graduate students will be seeking election to Senate.

There are 60 seats on Senate for elected faculty members and 22 of these will be vacant at the end of the present session of Senate. Faculty members are elected to Senate for a three-year term. The number of vacant seats in each College is: Arts — 3; Social Science — 3; College of Biological Science — 3; Physical Science — 6; FACS — 0; OAC — 5; OVC — 2.

Faculty members have received forms and information about the election by campus mail from the Senate office. Nomination forms must be received in the Senate office by Friday, February 25.

Undergraduate students hold 23 seats on Senate and serve for a one-year term. The number of students elected from each program is in proportion to the enrolment in the program and is as follows: B.A. — 5; B.Sc. — 5; B.Sc.(Agr.) — 3; B.A.Sc. — 2; D.V.M. — 1; B.Sc.(Eng.) — 1; B.Sc.(H.K.) — 1; B.L.A. — 1; B.Comm. — 1; Associate Diploma — 1; General Studies — 2.

Graduate students hold eight seats on Senate, one for each College and one for the University School of Rural Planning and Development, and serve for a one-year term.

Poster advertising the election are on display in each academic Department and in all public areas of the University. The election has also been advertised in the student newspaper, the *Ontarion*. Students may obtain nomination forms from the College Deans' offices, the Senate Office, level 4, University Centre, and the Connection Desk. Nomination forms must be received in the Senate office by Friday, March 4. All full-time and part-time students are eligible to stand for election. □

Funding for UPEI veterinary college

The federal government will put up half of the \$26 million for the construction of a veterinary college at the University of Prince Edward Island, Charlottetown.

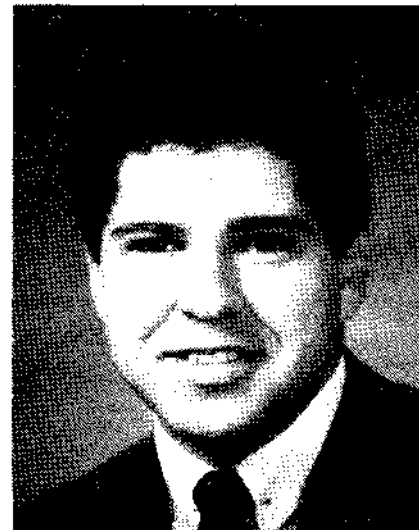
Agriculture Minister Eugene Whelan announced at a press conference at Charlottetown February 19 that the federal government will put up half of the construction costs if the three Maritime provinces share the other \$13-million outlay.

Mr. Whelan said \$500,000 has been appropriated to begin architectural plans for the veterinary college. Nova Scotia and PEI have been long-standing rivals for the veterinary college.

Former OVC Dean, Dennis Howell, conducted the feasibility study for the proposed school — the fourth veterinary college in Canada. □

FOCUS

Student senator likes the responsibility



Philosophy major Jamie Sidlofsky is not a person who sits around waiting for things to happen. Jamie makes decisions affecting all students at the University.

As one of five student senators representing the B.A. program, he helps students in that program and represents them on various Senate committees. He also acts as an intermediary and counsellor for those students who wish to make an appeal to Senate.

"I usually sit and have a coffee with them so we can discuss their appeal and go over the procedures in an informal situation," he says. "By the time they reach me, they've gone through their Departments and Colleges and are backed into a corner."

Jamie has been on the Student Petitions Committee, which handles appeals, since the spring of 1982 and is also on a sub-committee to review academic misconduct. He is chairman of the Student Senator's Caucus and he sits on the Executive Committee of Senate.

For Jamie, a Guelph native who is now in his seventh semester, being a student senator is a challenge. "I like the responsibility, being able to make decisions, and it teaches me to express my opinions well, especially in an open discussion of a case or during an appeal when I may have to convince people to see things my way."

Senate directly affects the academic concerns of students, says Jamie. "Senate makes academic policy, whereas the CSA can only influence policy," he says. "Senate is a more effective and more direct way to deal with academic policy and still represent the student body."

Since his third semester at Guelph, Jamie has been on Senate, dealing with people and their concerns. "I've always wanted input into what's going on," he says. "You can't sit and complain without getting involved in some way."

Outside of Senate, Jamie is also president of the Hispanic Club. An honors student, he is involved in intramurals and works part-time at Eaton's in Kitchener. □

Good job-hunting this summer for agriculture, HAFA students

Although summer jobs will be scarce this year, University of Guelph students are in a favorable position. School of Hotel and Food Administration and agriculture students will have the best chances of getting a summer job because there is a high demand in these areas, according to Ian White of the Counselling and Student Resource Centre.

Tourism naturally peaks in the summer and there is generally less competition in such exclusive areas as hotel and food administration and agriculture, he says.

While these two groups are not badly off, students in other disciplines will be affected by cutbacks in the private sector, although federal and provincial government job creation programs seem to be stable.

The federal government has introduced a new program — a summer internship — that will subsidize designated industries to hire students for the summer.

Other programs include the Ontario Municipal Training program, which subsidizes municipalities to hire students for jobs ranging from environmental studies to planning and clerical work; the Experience '83 program at the provincial level; and the Venture Capital Program, which provides a \$2,000 loan for students initiating their own business. The latter program is run in conjunction with the Royal Bank and the local Chamber of Commerce.

More programs are being set up to meet the demand but students may have to look at more than one summer job to earn enough to supplement rising tuition costs, says Mr. White. "Some of these summer jobs last only six or seven weeks and others pay only minimum wage."

Students should also consider that jobs may not always be in areas that are economically feasible, he says. In fact most of the jobs posted on the summer employment board, located on the third floor of the University Centre, are outside Guelph and many are in outlying resort or rural areas in Ontario.

Despite the bleak outlook, placement is plying a brisk trade these days, posting three or four new jobs a day and scheduling 10 to 15 on-campus interviews a week.

Mr. White urges students to check the summer employment board daily and to make sure their friends and relatives know they are looking for a job. □

Guelph represented at opening of technology centre

The University of Guelph was well represented at the recent opening of the Ontario Centre for Farm Machinery and Food Processing Technology in Chatham. It is one of Ontario's new technology centres being built under the government's Board of Industrial Leadership and Development (BILD) program.

The Chatham Centre will promote the adoption of advanced technology in the farm equipment and food processing sectors.

A major display at the opening was the Library's information retrieval system, together with Grassroots — the computer agricultural information system — and Universitel, an Ontario-based information system now being developed by Guelph. The School of Engineering and the Department of Botany and Genetics were also represented with a display of new winemaking equipment. □



Cherished freedoms at stake

If attendance is an indicator of success, the "Living in a No-Growth Society" series is a coup for joint sponsors, Senate Committee on Liberal Education and the Counselling and Student Resource Centre.

Last week's panel discussion drew a full house as Professor Mark Lapping, Director, University School of Rural Planning and Development, introduced Zoology Professor David Lavigne, College of Physical Science Dean Jack MacDonald and OAC Associate Dean Freeman McEwan. He invited them to comment on environmentalist Garret Hardin's belief that society must evolve mutually acceptable levels of coercion in response to the growing environmental crisis, rather than relying on voluntary restraints.

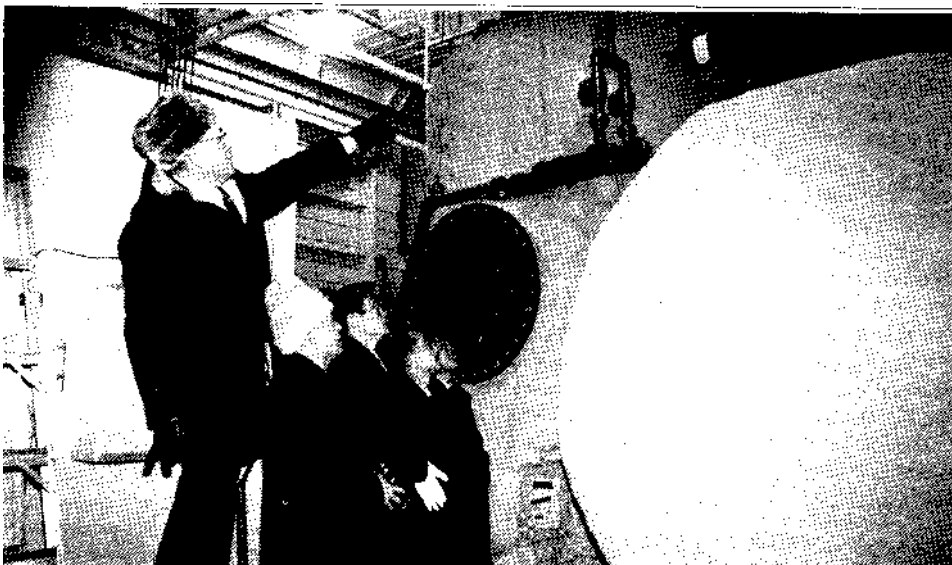
Dean MacDonald agreed that effective solutions must call for substantial restraints of cherished freedoms covering all aspects of economic activity in which energy of any kind is involved. An example of such a restraint is a recent law passed by the State of Oregon forbidding the construction of any building which does not meet state insulation codes.

The coercive forces themselves may be in opposition, Prof. McEwan pointed out. The pressure to conserve energy and to meet a more balanced caloric input/output ratio in agriculture conflicts with the moral pressure to grow more food and the economic pressure to make a profit.

Prof. Lavigne considered what types of coercion would work. He suggested that man's driving force to procreate will produce greater populations, while the lack of personal pay-off for altruism militates against voluntary restraint. Lack of public enthusiasm for doom and gloom scenarios leaves little room for short-term optimism, he noted.

During the lively discussion period comment was made on the recent laws in China that deny a wide range of state benefits to couples with more than one child. These laws were seen as a vivid example of how drastic restraints could become unless we can agree on voluntary action in the short time still left before the pressures described in the previous three "No-Growth" lectures become unbearable.

Dean John Vanderkamp, College of Social Science, examines "Economic Considerations" on February 28 at 12 noon in Room 442, University Centre. □



Professor Jack Pos, School of Engineering, left, explains the methane generator at the Arkel Research Station to members of the livestock machinery industry from China. Left to right: Liu Zhen Jian, director, Xu Zhou Tractor Plant, Jiangsu; Wang Zhipei, Chinese Academy of Agricultural Mechanization Sciences; Liang Kaizhi, vice-director, Daton Agricultural and Livestock Machinery Factory, Shanxi and Li Youjie, vice-general manager, China Corporation of Livestock Machinery Industry. The group was hosted by the School's acting chairman, Professor Jan Jofriet and graduate student Jiang Shusen acted as interpreter.

Jacques Brault

Professor Jacques Brault is a visiting professor in the French Studies section of the Department of Languages and Literatures. An important Quebec poet and literary critic, Prof. Brault teaches French literature and aesthetics at the University of Montreal.

Prof. Brault is recognized as one of contemporary Quebec's major poets. He is the author of eight books, including *La poésie, ce matin*, a book of poems published in Paris in 1971. In this collection he tries to bring the language of poetry to the level of daily life experiences and ordinary situations. In 1975, Prof. Brault published three books; *Poèmes des quatre côtés* was acclaimed across Canada.

While at Guelph, Prof. Brault will deliver a public lecture and two faculty seminars. In his public lecture, Thursday, February 24, 7:30 p.m., Room 121, Physical Sciences building, Prof. Brault will ask the question of the specificity of Quebec literature. The title of this lecture, presented in the French language is "La littérature québécoise est-elle québécoise?." The two seminars are "La poesie peut-elle etre un objet d'enseignement?" Monday, February 28, 3 p.m., Room 904, MacKinnon building and "L'avenir de la littérature québécoise" Tuesday, March 3, 4 p.m., Room 132, MacKinnon building.

Prof. Brault is at Guelph until March 24. □

Edward W. Tyrchniewicz

Dr. Edward Tyrchniewicz was a visiting professor in the School of Agricultural Economics and Extension Education this month. During his stay, he presented seminars and lectures in the School and the Department of Political Studies on the recently announced policy initiative on Western grain transportation. He served as co-ordinator of analysis for the Gilson Consultation on Crowsnest Grain Rates.

Dr. Tyrchniewicz, professor and head of the department of agricultural economics at the University of Manitoba, is on administrative leave.

Dr. Tyrchniewicz's research and teaching interests include transportation, agricultural policy and economic development. His public service and consulting work includes the Manitoba Royal Commission Inquiry into Northern Transportation, Grains Group, Canadian Transport Commission, Food Prices Review Board, U.S. Senate Task Force on Rural Transportation, U.S. National Academy of Sciences Study on World Food and Nutrition, and director of research for the Hall Commission on Grain Handling and Transportation.

Dr. Tyrchniewicz served as president of the Canadian Agricultural Economics Society, and as president of the Winnipeg Branch of the Manitoba Institute of Agrologists in 1981-1982. □

HOUSING IN CANADA, a series of seminars sponsored by the Department of Consumer Studies features guest speaker Ron Cascaden, Housing Analyst with the CMHC Branch Office in Kitchener. His talk will be on "Local Housing Market Analysis Techniques" and will be given on February 24 at 2:10 p.m. in Room 106, College of Family and Consumer Studies.

John Sandusky, President of Sandusky Homes and First Vice-President of HUDAC will discuss "Emerging Housing Issues: The Industry Perspective" on March 3.

All members of the University community are welcome to attend. For additional details contact Professor Chris Terry at Ext. 3780 or the Department of Consumer Studies at Ext. 2120.

THE SURPLUS SALES Department has the following items for sale which may be viewed by contacting Dave Scott, at Ext. 8139: one TRS-SO computer (16k) and one APPLE II+ computer with disk drive and monitor (48k).

A FRIDAY NIGHT dance will be held February 25 for members of the Faculty Club. Dancing will be to the music of Stere-Roe and hors d'oeuvres and canapes will be served. There is no charge for this event. Reservations must be made; telephone Ext. 8578.

FLY DAYS will be offered again at College Royal. On March 12 and 13 there will be an opportunity to take a 25-minute flight over Guelph and surrounding area. Tickets are available in Room 229 of the University Centre for \$8 per person or \$22 for three people. Transportation will be provided from the University. Details: Heather Glenister, 821-2890.

THE FEBRUARY meeting of Senate was cancelled. The next regular meeting of Senate is Tuesday, March 15.

MEDICAL SERVICES' allergy immunization program, effective Monday, February 14, is available Monday, Wednesday and Friday, 8:30 a.m. to 11:30 a.m. Details: Nurse Susan Brown, Ext. 2131.

A LITHOGRAPH entitled *Winter* by Professor Gene Chu, Fine Art, has been selected for the 9th International Miniature Print Exhibition. The exhibition has been organized by the Pratt Graphic Center of New York and will be held from March 26 to April 23, at the Pratt Manhattan Center Gallery.

The show will begin a nationwide circuit of public viewings in schools, libraries and museums throughout the United States.

A VIDEO CASSETTE explaining the folktale of Celtic pagan hero Cuchulainn, entitled *Hound of Ulster, Hero of Pagan Ireland*, is available from the Office for Educational Practice.

The 23-minute program, written and narrated by Professor Homer Hogan, English Language and Literature, was shown recently at the Wellington County Museum in Fergus.

A WHISKEY TASTING will be held May 11 at the Faculty Club, level 5, University Centre, as part of the Scottish Heritage Festival. Details: Ext. 3154.

Victor P. J. Gannon

Victor P. J. Gannon has joined the Department of Veterinary Microbiology and Immunology as an assistant professor.

Dr. Gannon received his B.Sc. and M.Sc. from the University of Regina, and the D.V.M. from the University of Saskatchewan. His graduate research dealt with the ecology of the prairie rattlesnake and he was subsequently involved in research on respiratory infections in calves.

Dr. Gannon has teaching and research responsibilities in the veterinary bacteriology area of the Department, and supervises a diagnostic bacteriology laboratory which serves the Veterinary Teaching Hospital. His current research interests relate to the epidemiology of *Salmonella muenster* infection in cattle.



Stanley Boutin

Stanley Boutin has joined the Department of Zoology as an assistant professor.

Prof. Boutin has a B.Sc., M.Sc. and Ph.D. in Zoology from the University of British Columbia.

His special areas of interest are population dynamics of small mammals and boreal forest community dynamics, with specific interest in snowshoe hares in the south-western Yukon and caribou wolf relationships in the Northwest Territories.

Prof. Boutin's teaching responsibilities at Guelph will include courses in Wildlife Management and Animal Ecology.

James Sauder

James W. Sauder has been appointed Manager of the Campus Bookstore.

Mr. Sauder, who joined the Co-op in 1975, has been assistant manager at the Campus Bookstore for the past few years.



Life, love, pain and power

Woolf directs towards the inner life

'What do I hope the actors will get from me? Maybe some insight into how much they already know. I don't try to teach them anything — my function is more like that of a fertilizer.'

The speaker is Department of Drama's artist-in-residence Henry Woolf, talking about the students who have been working with him on the current production of Genet's controversial play, *The Balcony*. It was a statement of philosophy which he reaffirmed with a quotation from Peter Brook: "Inside any 16-year-old girl there lurks King Lear." We are all, according to Woolf, reservoirs of far more experience of the human condition than we realize.

Woolf, on campus for eight weeks, uses his degrees in psychology, history and English as a personal resource base for a distinguished career in theatre where he has long been associated with the avant-garde. His first London West End role was in Orson Welles' production of *Rhinoceros* with Lawrence Olivier and Joan Plowright. He played in Peter Brook's production of *Marat/Sade* in London and New York, and a long series of stage, film and television roles in England, the United States and Canada. A playwright, director and drama teacher, he lives with his wife and four children in Vancouver.

Woolf's style of directing is deceptively gentle. He does not choose to play the martinet, but rather speaks quietly and encouragingly — but only after watching a



Actor Henry Woolf

rehearsal scene with intense concentration. When he intervenes, it is to hint at nuances. When Woolf gathers the players around him, it is to speak about the inner life of the characters they are portraying, replete with anecdotes on the nature of life, love, pain and power. He enriches their understanding of their roles and life itself. Says one of his cast: "He helps us grasp the nub, the essence of the character."

Above all, Woolf shares the essence of his own joy in theatre that he sees as offering a unique, empathetic experience. "The world may appear to be drab," he says, "but theatre takes us below the surface, and enables us to experience passion, if only vicariously. The word, of course, is catharsis."

Language is important, even vital, to theatre, he continues. Woolf believes we are

living in an "anti-language" era: "There are times when I can almost believe there is a plot to diminish our vocabularies to make us more easily manipulated. Language is what we think with, and people who think are often considered dangerous."

Some of Woolf's observations on life and drama will become apparent to the audience of *The Balcony*. Here, prostitutes without charity speak with the tongues of angels, and passion, perversion and the pains of love find dramatic expression.

The Balcony continues at the Inner Stage to Saturday, February 26. Tickets at \$3 are available at the University Centre box office, Ext. 3940. □

Public lecture on German acting

Simon Williams, assistant professor of theatre history and dramatic literature at Cornell University, Ithaca, New York, will present an illustrated public lecture on campus Tuesday, March 1 at 10 a.m., Room 308 of the MacKinnon building.

Prof. Williams' topic is "Acting in the Age of Goethe." He will discuss actors Schroder, Iffland and Devrient, and address the conflict between Weimar Classicism and Romanticism in the theatre.

Prof. Williams holds a doctorate from the University of East Anglia, and has taught at universities in Libya, Iran, Sweden, Canada and the United States. His articles and reviews have appeared in a wide variety of journals, and he is currently at work on a book entitled *Bourgeois and Demonic: German Actors in the Eighteenth and Nineteenth Centuries*.

Admission to the lecture is free.

For further information contact the Department of Drama, Ext. 3147. □

Philosophy exam

The final oral examination of John D. Smith, Zoology, a candidate for the Doctor of Philosophy degree will be held on March 2 at 2 p.m. in Room 168, Botany and Genetics/Zoology building.

His thesis title "Development and Seasonal Transmission of *Raphidascaris acus* (Nematoda, Anisakidae), A Parasite of Fishes, with a Review of the Genus." His supervisor is Dr. R.C. Anderson.

Interested members of the University community are invited to attend. □

DUO-PIANISTS James Anagnoson and Leslie Kinton give the Thursday Noon Hour Concert February 24 in performances at 12:10 p.m. and 1:10 p.m. in Music Room 107 of the MacKinnon building.

The first program will include "Variations on a Theme of Paganini" by Lutoslawski, and "Suite No. 2, Op. 17" by Rachmaninoff, both for pianos, as well as Ravel's "Mother Goose Suite" for one piano, four hands.

Program II features Stravinsky's own one-piano, four-hands transcription of his ballet, *Petrouchka*, with spoken elucidation of story and themes.

Sponsored by Concert Management, the concert is free and open to the public. Details: Ext. 3144.

Playwright to read new work

Ken Mitchell, author of *Cruel Tears*, *The Shipbuilder*, *Davin*, *the Politician* and many other successful stage and radio plays, will give a public reading from his new play, *Gone the Burning Sun* Friday, March 4, 11 a.m. in Room 308 of the MacKinnon building.

Born in Moose Jaw, Mr. Mitchell was educated at the University of Saskatchewan, where he began writing radio plays for the CBC. In 1967 he was awarded an M.A. and later joined the University of Regina's English department, where he still teaches Canadian literature and creative writing.

Mr. Mitchell's new play deals with the life of renowned Canadian physician Norman Bethune, particularly his work in Spain and China.

Mr. Mitchell's visit to Guelph is sponsored by the Canada Council and the Drama Department.

Admission to the reading is free.

For further information contact the Drama Department, Ext. 3147. □



Animal Health Technician, Clinical Studies. MTS III. Salary Range: \$273.16 - \$392.86.

Gravel pits can be reclaimed for crop production

The production of food and aggregates can go hand in hand if gravel pits in Ontario are properly reclaimed, according to Land Resource Science professor, E.E. Mackintosh.

In a report "Agriculture and the Aggregate Industry", he suggests guidelines for progressive rehabilitation of gravel pits in the province.

Progressive rehabilitation is less expensive and more efficient than traditional mining methods, explains Prof. Mackintosh, who studied 60 pit sites in the province during the past two years for the Ontario Ministry of Natural Resources.

The study, the first of its kind in Ontario, discusses the feasibility of reclaiming pits, ranging from two to 15 hectares in size, for agricultural usage.

"Preplanning is the key to reclaiming land for agricultural uses," he explains.

"Most people think that all of these hectares will be used to mine aggregates all at once," he says. "But, there is sufficient sand and gravel in Ontario to last probably until the year 3000 and it's the local government that makes land use decisions."

Genetic abnormalities symposium

Visiting professor Luiz E.L. Pinheiro of Brazil has returned home after nine months in the Department of Biomedical Sciences.

A clinician and cytogeneticist, Dr. Pinheiro worked with Professor Parvathi K. Basrur when she visited the veterinary college at the Jabotical campus of the University of Sao Paulo in 1979 and 1980 as a CESO volunteer-consultant. While at Guelph, Prof. Pinheiro and Prof. Basrur pursued their joint interests in the genetic aspects of reproductive failure in livestock.

Prof. Pinheiro was here on a post-doctoral fellowship awarded by the Brazilian government. He chose the University of

"Over the long term, we are not necessarily losing agricultural land. And with the current slump in the construction industry, the demand for aggregates is decreasing. There are no new applications for licences now in the aggregate industry.

"With progressive rehabilitation, we can have food and gravel too," he says.

Under a program of progressive rehabilitation, pits are filled in as the strip mining occurs. Because the soil is being replaced hectare by hectare as the aggregates are mined, large areas are not lying idle for long periods. Production increases since the reclaimed land is cultivated while mining continues in another part of the pit.

For example, if a pit mines one to two hectares a year, by the end of the second year a cover crop would be planted on those hectares, preparing them for crops the following year.

The conflict arises when prime agricultural land also contains prime aggregate reserves, notes Prof. Mackintosh. In Ontario, there are 90,000 hectares of primary aggregate deposits underlying prime agricultural land.

Guelph because of the advanced laboratory techniques and equipment available for cytogenetic studies. While on campus, Prof. Pinheiro carried out research into chromosomal abnormalities associated with pregnancy wastage in farm animals, and also worked with graduate students engaged in research on related problems.

Profs. Basrur and Pinheiro are now planning an international symposium on the genetics of reproductive abnormalities (the second in a series) which is to be held in Sao Paulo in August this year. The symposium is expected to be attended by scientists from all parts of the world. □

In Ontario, sand and gravel pits are highly concentrated in Waterloo County and Puslinch Township — areas designated as prime agricultural land. "In Puslinch, for example, it is doubtful that any politician would grant a licence for aggregate extraction, without giving consideration to agricultural land."

A pit operator using progressive rehabilitation methods can cut the cost of his rehabilitation bond with the government in half.

When a pit operator applies for a licence he must have a rehabilitation plan, according to the Pits and Quarries Control Act of 1971. The rehabilitation plans must deal with such specifics as stockpiling, stripping topsoil, environmental assessment, ground water level and depth of extraction.

Under the same Act, there is an eight cents per tonne fee which goes into a bond fund with the government to ensure rehabilitation. The pit operator can claim this money when he files for reclamation. If he follows a method of progressive rehabilitation, the maximum amount he can pay into this fund is \$1,500 per hectare. Pit operators employing traditional extraction methods can pay up to \$3,000 per hectare. □

University Canada

National Universities Week

Canada's universities will be the focus of public attention this fall when campuses from coast to coast mark the achievements of higher education during National Universities Week.

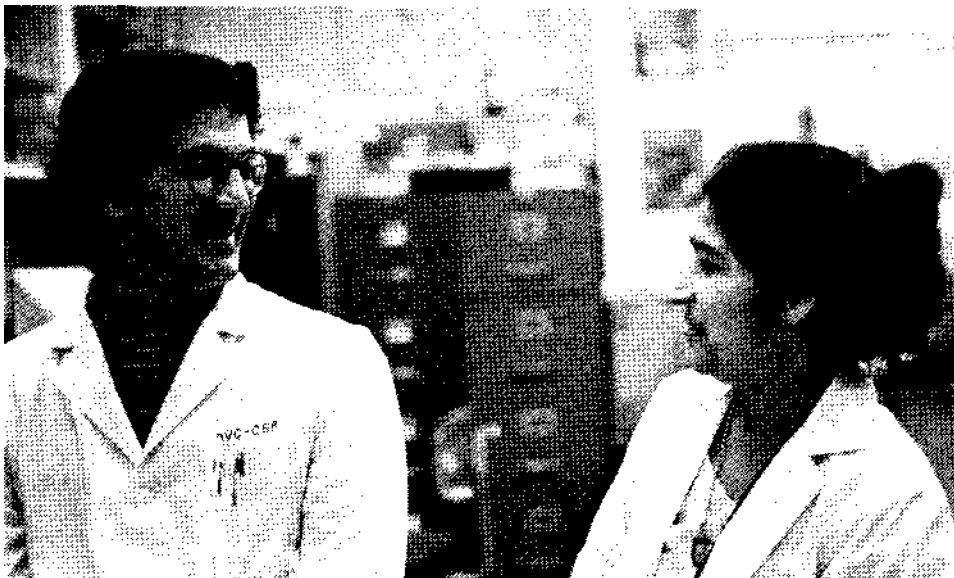
The celebration, the first of its kind to be held in Canada, has been scheduled for October 2 to October 8 and work on the project is already under way at national and regional levels. The national co-ordinating committee met in Ottawa in January to establish an organizational framework to co-ordinate activities and to assist individual institutions in planning for the festivities. The committee is chaired by President George Pedersen, Simon Fraser University, and Principal David Johnston, McGill University.

The idea for a National Universities Week first surfaced last summer. A task force comprising representatives from the Association of Universities and Colleges of Canada (AUCC), the Council of Western Canadian University Presidents (COWCUP), the Council of Ontario Universities (COU), the Conference of Rectors and Principals of Quebec Universities (CREPUQ) and the Association of Atlantic Universities (AAU) met to consider the proposal. The idea was favorably received by the four regional and provincial associations and was subsequently endorsed by the AUCC.

PEI to Explore Telidon

A research agreement designed to explore the future of Telidon on Prince Edward Island has been signed between the University of Prince Edward Island and the PEI Department of Agriculture.

The six-month \$60,000 project is 80/20 per cent cost-shared under the comprehensive development plan with the Department of Regional Economic Expansion and the provincial Department of Agriculture. □



Left to right: Visiting Professor Luiz E.L. Pinheiro and Professor Basrur.

Elected Chairman

Professor O.P. Dwivedi, Chairman, Political Studies, has been elected chairman of the South Asia Council and vice-president of the Canadian Asian Studies Association.

Travels and Seminars

Professor Alan Brookes, History, presented an invited paper, "Along the Furrows: The Ontario Farmer at the Turn of the Century," to "Industrious in Their Habits: A Conference on the World of Work," held at OISE, Toronto.

Professor Harry Cummings, University School of Rural Planning and Development and School of Agricultural Economics and Extension Education, was a guest lecturer at the University of Calgary's regional development course. He lectured on "Growth and Decline Models, Spatial Approaches and Physical Infrastructure Approaches to Regional Development Planning."

Professor Fred Eidlin, Political Studies, spoke to the Guelph Kiwanis Club on "The Continuing Crisis in Eastern Europe." He also delivered a paper, "Rehabilitating 'Common Sense' in Political Scientific Explanation," to the department colloquium of the department of political science at McMaster University.

Professor Peter A. Kahn, School of Agricultural Economics and Extension Education, was invited speaker at the annual convention of the Western Ontario Veterinary Medical Association at Chatham. He spoke on "So You Want To Buy a Microcomputer?".

Professor Doug Killam, Chairman, English Language and Literature, has contributed to CBC Radio's "Morningside." The interviews with Peter Growski, sometime visiting professor of English Language and Literature at Guelph, were introductions to modern African writing in English by referring to five writers -- Achebe, Soyinka, Ngugi, Okot pBitek and Brutus.

Anthony Mackay, Academic Computer Services, presented a seminar at the University of Edinburgh, Scotland, on "Computer Generated Graphics."

Users from the medical faculty outlined their need for visual presentation of medical abnormalities such as tumors. The department of linguistics defined a need for the real-time presentation of mouth and throat movements which take place when a subject is speaking. The talk concluded with a description of the packaged graphics software on the market, and the increasingly adaptable hardware now available.

Professor Anne Martin Matthews, Family Studies, spent two days at the University of New Brunswick, Fredericton, at the invitation of the UNB senate visiting lecturers committee and the department of sociology. During her visit, she discussed "Research Issues in Social Gerontology" at a faculty-graduate student seminar in the sociology department, and gave a public lecture on "Role Transitions in Later Life: A Life Course Perspective."

Professor David Piggins, Psychology, presented a seminar to the perception group, department of psychology, York University.

He was also interviewed on CJOY-Radio, Guelph on "Magnetic Sensing in Birds and the Possibilities of such a Sense Existing in Man."

Professor John T. Powell, School of Human Biology, presented a paper "The Future of Moving Man" at the dinner of the 13th Human Kinetics Symposium in Guelph.

Professor J.O.D. Slocombe, Pathology, attended the Kentucky Veterinary Medical Association Equine Parasitology Seminar in Lexington, Kentucky where he presented a paper, "Treatment of Migrating Larvae of *Strongylus vulgaris*."

Prof. Slocombe also presented a paper, "Treatment of Migrating Larvae of *Strongylus vulgaris*" at the Equine Colic and Research Symposium sponsored by the University of Georgia Centre for Continuing Education, Athens, Georgia.

He also attended the Toronto Academy Equine Practitioners' Meeting in Milton, where he presented a paper, "Efficacy of Ivermectin Against Parasites in the Horse."

Sandra Webster, Information Services, was a panelist in a seminar, "The Latest in Computer Technology," at a three-day joint conference of District 1 and 2 of the Council for the Advancement and Support of Education held at Lake Kiamesha, New York. Mrs. Webster spoke on "Looking Back and Planning Forward: Automating a Public Relations Office."

Professor Henry Wiseman, Political Studies, participated on a panel, "The Future of Canadian Peacekeeping Policy" at a conference of the York University Research Program in Strategic Studies. He also appeared as a witness before the Senate Committee on External Affairs on the subject of Canadian Peacekeeping policy in the Middle East.

Craven, John, 1982. "Liberalism and Individual Preferences," Theory and Decision 14: 351-360 (Economics).

Cowan, Edward J., 1981. "The Angus Campbells and the Origin of the Campbell-Ogilvie Feud," Scottish Studies 25, 25-38 (History).

Dickinson, W.T., 1982. "Identification and Control of Soil Erosion and Fluvial Sedimentation in Agricultural Areas of the Canadian Great Lakes Basin," Research Report to Agriculture Canada in compliance with DSS Contract 2350.01525-1-0433 (School of Engineering).

Fitzgerald, M.A. and G.H. Frankie, 1982. "The Effects of Age and Communication on Co-operation and Competition in Children and Adolescents," The Journal of Genetic Psychology 141: 295-2967r/sychology-V

Jofriet, J.C., P. Shapton and T.B. Daynard, 1982. "Haylage Densities, Pressures and Capacities in Tower Silos," Can. Agric. Eng. 24: 141-148 (School of Engineering).

Korabik, K., 1982. "Sex-role Orientation and Leadership Style," International Journal of Women's Studies, 5: 328-336 (Psychology).

Lapping, Joyce and Mark Lapping, 1982. "Rural Women's Work: A Note on the CCRD Study on Canadian Rural Women," Resources for Feminist Research, Fall '82: 54-55 (Lapping, J., Economics; Lapping, M., USRPD).

Lapping, M. et al., 1982. Allocation and Management of Vermont Lakes for Recreation, Montpelier: Vermont Agency of Environmental Conservation, 1982, (USRPD).

Lapping, Mark and Dale Forster, 1982. "Big Deal in a Small Place: Land Policy in Prince Edward Island," in Prospects for Planning: Coming to Grips with New Realities, ed. Barry Wellar, Ottawa: Canadian Institute of Planners, 1982(USRPD).

Leppmann, P.K. (ed. and transl.), 1982. "Television and the Heavy Viewer," Fernsehen and Bildung, 1982.

Mage, Julius and Mark Lapping, 1982. "Legislation Related to Absentee Foreign Land Ownership in Canada," Agricultural Law Journal, 4: 3 (Mage, Geography; Lapping, USRPD).

Marmurek, H.H.C., and G. Briscoe, 1982. "Orthographic and Lexical Processing of Visual Letter Strings," Canadian Journal of Psychology, 36: 368-387 (Psychology).

Martin, S.W., A.H. Meek, D.G. Davis, J.A. Johnson and R.A. Curtis, 1982. "Factors Associated with Mortality and Treatment Costs in Feedlot Calves: The Bruce County Beef Project, Years 1978, 1979, 1980," Can. J. Comp. Med., 46: 341-349 (Martin and Meek, Veterinary Microbiology and Immunology; Davis, Ontario Ministry of Agriculture and Food; Johnson, Pathology; Curtis, Clinical Studies).

Martin Matthews, Anne, 1982. "Canadian Research on Women as Widows: A Comparative Analysis of the State of the Art," in Emily M. Nett, Women as Elders Resources for Feminist Research, Toronto: OISE, 1982 (Family Studies).

Goods and Services

For Sale

1979 CM 400T Honda, 823-2137; counter top with laminated butcher block, 6 pane window mirror, 8X10, rug, storage hassock with hinged lid, 2 wooden lawn chairs, 822-3129 after 1630; English dressage saddle with saddle pad, saddle cover, stirrups, leathers, 2 cinches, bridle, reins, riding crop, grooming tools, 822-8458; Intellivision unit and 9 cartridges, 2468; Toro snow blower, 823-1179; Colorado hiking boots, size 5 1/2 D, 824-6589 after 1800; 1974 Ford Torino, 837-2015; goat meat for Easter, 824-9389, evenings.

Accommodation

For Sale

Three bedroom home on 25 acres, 10 minutes to Guelph, 856-4577; older two storey brick house on large lot, Liverpool St., 836-6094.

Lost

Ladies' Seiko watch, on campus, Feb. 1, 821-9954.

Personals is a free service offered by the News Bulletin for staff, faculty and students at the University. All items must be submitted to the News Bulletin IN WRITING one week before publication ,

Next Week at Guelph

THURSDAY, 83 02 24

Continuing Education - GRIEVANCE HANDLING AND THE ARBITRATION PROCESS, W. Marcotte, 0900, Ext. 3956 for details.
ICS - COMPUTER NETWORKS, K. Percival, 0900; COMPUTER CONCEPTS, M. Brochet, 1330, Ext. 3046 to register.
Graduate Research Seminar - STRUCTURAL-FUNCTIONAL CORRELATION OF THE LUNG IN LIGHT HORSES WITH SMALL AIRWAY DISEASE, 1100, Pathology, Rm 220.
Lecture - HOME CHILDREN: OLIVER TWIST IN REAL LIFE, Visiting Professor Joy Parr, Queen's University, 1110, MacK237.
Noon Hour Concert - ANAGNOSON KINTON, duo pianists, 1210 and 1310, MacK107.
Staff Development Opportunities - MICROCOMPUTER CONCEPTS, M. Brochet, 1330, ICS220, Ext. 3058 to register.
Housing in Canada - DESIGN AND APPLICATION OF LOCAL HOUSING MARKET STUDIES, Ron Cascaden, CHMC, 1410, FACS106.
Worship - CATHOLIC MASS, 1700, chapel, level 5, UC.
Apiculture Club - BEEKEEPING IN TANZANIA, D.E. Massawe, 1710, Graham Hall, Rm 200.
Film - GUELPH MEDIEVAL SOCIETY, 1800, WMH.
Careers and Jobs - INTERVIEW SKILLS CLINIC, 1800; JOB SKILLS WORKSHOP, 1800, register at the Connection Desk by 1500.
Spotlight on the University of Guelph - 1900, cable 8.
Lecture - INTERPERSONAL RELATIONSHIPS, Jim Olthuis, 1900, AS141.
Film - DECISION TO WIN: THE FIRST FRUITS, film on El Salvador, 1930, PS113.
Visiting Professor - JACQUES BRAULT, U. de Montreal, "La Littérature Québécoise Est-elle Québécoise," 1930, PS121.
French House Films - WOW and AU PAYS DES LOUPS, 2100, Le Grand Salon, Lennox C.
Drama - THE BALCONY, 2000, Inner Stage, MacKinnon building, tickets at UC box office.

FRIDAY, 83 02 25

Faculty Christian Fellowship - 1200, Johnston Hall Rm. 157.
Worship - ANGLICAN EUCHARIST, 1700, Johnston Hall 158.
Faculty Club - FRIDAY NIGHT DANCE, 2000, Faculty Club, Ext. 8578 for reservations.
Drama - THE BALCONY, 2000, Inner Stage, MacKinnon building, tickets at UC box office.
Friday Flix - ENTER THE DRAGON, Bruce Lee, 1900 and 2115, PS105.
Dance - SWING INTO SPRING, 2100, Royal Canadian Legion, tickets at UC box office.

SATURDAY, 83 02 26

Continuing Education - GARDENING UNDER GLASS, D. Ormrod, 0900; SMALL FRUIT CULTURE, R.J. Hilton, 0930, Ext. 3956 for details.
Drama - THE BALCONY, 2000, Inner Stage, MacKinnon building, tickets at UC box office.
Arboretum - NIGHT STALKER'S OWL PROWL, 1900, Arboretum, register at Ext. 3932.
Concert - GUELPH CHAMBER CHOIR, with Opera in Concert, Toronto, 2000, Chalmers' United Church, tickets at the door at 1900.

SUNDAY, 83 02 27

Worship - CATHOLIC MASS, 1000, PCH; CAMPUS CHURCH SERVICE, 1030, PS113.
Sunday Afternoon Walk - LATE WINTER WALK, 1400, J.C. Taylor Nature Centre, Arboretum.
International Cinema - MONTENEGRO, 2000, PS105.
Sunday Cinema - VICTOR VICTORIA, 1900, WMH.

MONDAY, 83 02 28

Liberal Education Series - LIVING IN A NO-GROWTH SOCIETY: ECONOMIC CONSIDERATIONS, Dean John Vanderkamp, CSS, 1210, UC442.
Careers and Jobs - INTEREST TESTING, 1300, register at the Connection Desk by 1100.
Spotlight on the University of Guelph - 1830, cable 8.
Visiting Professor - JACQUES BRAULT, U. de Montreal, "La Poésie Peut-elle Etre un Objet d'Enseignement," 1500, MacK904.
CUSO - INFORMATION MEETING, 1930, UC332.

TUESDAY, 83 03 01

Our World - FORWARD EVER: BACKWARD NEVER, 1210, UC442.
Physics Colloquium - SEMICONDUCTOR MEASUREMENTS USING A SCANNING ELECTRON MICROSCOPE AND A LASER SCANNER, Prof. Ted Dixon, U. of Waterloo, 1600, PS113.
Worship - CATHOLIC MASS, 1700, chapel, level 5, UC.
God, Man and World - 1700, UC334.
Careers and Jobs - CHOICES: INTRODUCTION, 1700, register at the Connection Desk by 1500; RESUME WRITING CLINIC, 1800, CSRC.
Landscape Architecture - LANDSCAPE AESTHETICS: A PHILOSOPHICAL PROBLEM, Prof. J. Appleton, 2000, PS113.

WEDNESDAY, 83 03 02

Worship - ANGLICAN EUCHARIST, 1200, Johnston Hall 158; CATHOLIC MASS, 1200, chapel, level 5, UC; IMMANIJEL FELLOWSHIP, 1900, AS141; CHRISTIAN DOCTRINE CLASS, 1700, UC333; CATHOLIC PRAYER GROUP, 1700, chapel, UC, level 5.
College Royal - SIGN UP FOR FLY DAYS, south of UC Courtyard.
Art Lecture - GAUGUIN TO MOORE, Alan Wilkinson, AGO, 1400, Macdonald Stewart Art Centre.
Careers and Jobs - INTERVIEW SKILLS CLINIC, 1800, register at the Connection Desk by 1500.
Continuing Education - PERSONAL INCOME TAX PREPARATION, B. Grant, 1900; LAMB AND WOOL PRODUCTION, B. Mactaggart, 1900, Ext. 3956 for details.
Landscape Architecture - HABITAT THEORY: A BIOLOGICAL ANSWER, Prof. J. Appleton, Hull, England, 1900, LA204.
Instructional Development Workshops - A COMPREHENSIVE EVALUATION OF TEACHING, details: M. Elrick, Ext. 3522.

THURSDAY, 83 03 03

Graduate Research Seminar - EFFECT OF AMBIENT TEMPERATURE ON WOUND HEALING IN GARTER SNAKES, D.A. Smith, 1100, Pathology 220.
College Royal - TALENTFEST PREVIEW, 1200, UC Courtyard.
Noon Hour Concert - MENDELSSOHN STRING QUARTET, 1210 and 1310, MacK107.
Housing in Canada - EMERGING HOUSING ISSUES: THE INDUSTRY PERSPECTIVE, John Sandusky, CHMC, 1410, FACS106.
Visiting Professor - JACQUES BRAULT, U. de Montreal, "L'Avenir de la Littérature Québécoise," 1600, MacK132.
Worship - CATHOLIC MASS, 1700, chapel, level 5, UC.
Apiculture Club - MEETING, no speaker, 1710, Graham Hall, Rm 200.
Inter Varsity Christian Fellowship - BASIC VALUES IN OUR PERSONAL LIVES, 1900, AS141.
Landscape Architecture - THE SYMBOLISM OF ENVIRONMENT, Prof. J. Appleton, Hull, England, 1900, L5204.
Spotlight on the University of Guelph - 1900, cable 8.
Continuing Education - NEW MYSTICISM II, P. Hourihan, 1930, Ext. 3956 for details.

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