



Trudeau to address peace & security conference

Prime Minister Pierre Trudeau will give the opening address at the international conference, "Strategies for Peace and Security in a Nuclear Age," at the University of Guelph Thursday, October 27.

Dignitaries from countries around the world, including the U.S.S.R., the U.S., Japan and Germany, as well as Canada, are taking part in the four-day conference (see *News Bulletin* 83 10 06). Intended to provide an informed, balanced examination of the relevant facts and issues of the nuclear threat and to determine effective alternatives, the conference will also have representatives from NATO, the UN, religious and educational institutions, and concerned citizens.

"At the conference, the prime minister will have a non-political forum to speak out on a subject which seriously involves us all," says co-ordinator History professor Gunnar Boehmert. Prof. Boehmert, who has been organizing the large conference for months had been waiting to hear if Mr. Trudeau would attend. His co-co-ordinator, Political Studies professor, Henry Wiseman, notes that the conference will also enable Mr. Trudeau to take part in a dynamic exchange of information with political experts and analysts who hold diverse opinions.

Soviet speakers at the conference include Dr. Vladimir Gantman, Moscow Institute of World Economic and International Relations; Drs. Pavel Podlesny and Yuri Ivanov, U.S. and Canada Institute of Moscow, and Dr. Galina Savelyeva, of the Soviet Committee of Physicians for Prevention of Nuclear War. General Brent Scowcroft, chairman of President Ronald Reagan's MX Commission in Washington, and Eugene Carroll, deputy director, Center for Defense Information, Washington, a former rear admiral in the U.S. navy and director of U.S. operations in the Middle East and Europe, are among the American representatives.



Photograph by Daniel Vautour, Guelph.

Other speakers are Roland Vogt of West Germany's controversial Greens Party, Dr. Kinhide Mushakoji, a vice-rector of United Nations University, Japan, and Inga Thorsson, Sweden's Under Secretary of Foreign Affairs. Archbishop Edward Scott, Primate of the Anglican Church of Canada, and Dr. William Epstein of the UN Institute for Training and Research, are among the Canadian speakers.

Canada's three major political parties will be represented by members of Parliament. Members from the Departments of External Affairs and Defence will also attend. A delegation of conference speakers will travel to Ottawa Monday, October 31 to address parliamentarians, key civil servants and NGOs (non-government organizations).

The prime minister's address, at 8 p.m. in Peter Clark Hall, is like all other sessions, open only to registered attendees. For information on registering, contact Continuing Education Division, Johnston Hall, Ext. 3956. □

Drama acquires Tarragon archives

The acquisition of the Tarragon Theatre archives so soon after a similar arrangement with the Shaw Festival Theatre reaffirms the growing role played by the Department of Drama as a seminal resource for the present and future study of Canadian theatre.

Professor Leonard Conolly, Chairman, Department of Drama, who negotiated the acquisition with Tarragon, believes that theatres do not have the facilities or the expertise to store and catalogue their own archival material. Over the years this can amount to a sizeable volume of irreplaceable scripts, production notes, reviews and publicity items.

Tarragon is an excellent example. Established in 1971, the theatre quickly emerged as the leading producer of contemporary Canadian plays. There is hardly a single Canadian playwright of any distinction whose works have not been performed at Tarragon, many of them for the first time.

The Tarragon collection includes 12 seasons of prompt scripts, complete with textual revisions made during the course of production, along with detailed production notes. "We have a record, therefore, not only of the earliest developments from the original text, but insights into the fine points of the actual performance. The archival material also includes scripts of plays which were submitted to Tarragon but not produced," explains Prof. Conolly.

The collection will be used by Guelph drama students working on Canadian theatre and by researchers from other universities. Looking further ahead, Prof. Conolly observes that it will only be possible for theatre historians of the future to study this period if archives of this nature are carefully preserved.

Storage, cataloguing and conservation of the archives will be the responsibility of the Library.

The prospects for further acquisitions of this kind are very promising, believes Prof. Conolly. "There has been a great flowering of Canadian theatre during the last 10 to 15 years and its history is still

Continued on page 2.

BILD matching grants increase this year

The University of Guelph received \$323,900 in the 1982-1983 BILD equipment and matching grant programs. Equipment grants (\$147,000) were down from the previous year, but this was partially offset by an increase in the matching grant total (\$176,900).

The purpose of the equipment program is to help faculty members acquire equipment for research which is potentially beneficial for Ontario and Canadian industry. The matching grants program provides additional re-

sources to faculty members who have research contracts with industry, to enable them to maintain or increase their facilities and capabilities. Cutbacks in the current Province of Ontario BILD grant program has left the University of Guelph trailing behind last year's funding, but still ahead in proportion to the program as a whole.

Chemistry professor, Mike Cocivera received an equipment grant of \$98,400 to continue work already started on the development of new techniques in the solar energy

conversion and storage field. Chemistry professor, Ron Fawcett received a matching grant of \$30,000 for the development of electro-deposited semi-conductor films associated with the same project.

Food Science professor, Cyril Duitschaever was awarded an equipment grant of \$59,000 towards the cost of developing a pilot scale integrated system of cyclone fermenter and solid ejection centrifuge for the production of bio-mass from food industry waste and byproducts.

Animal and Poultry Science professor Gord Macleod received a matching grant of \$34,200 to continue research on moist corn gluten feed for dairy cattle and for evaluating food additives for potential utilization by beef cattle.

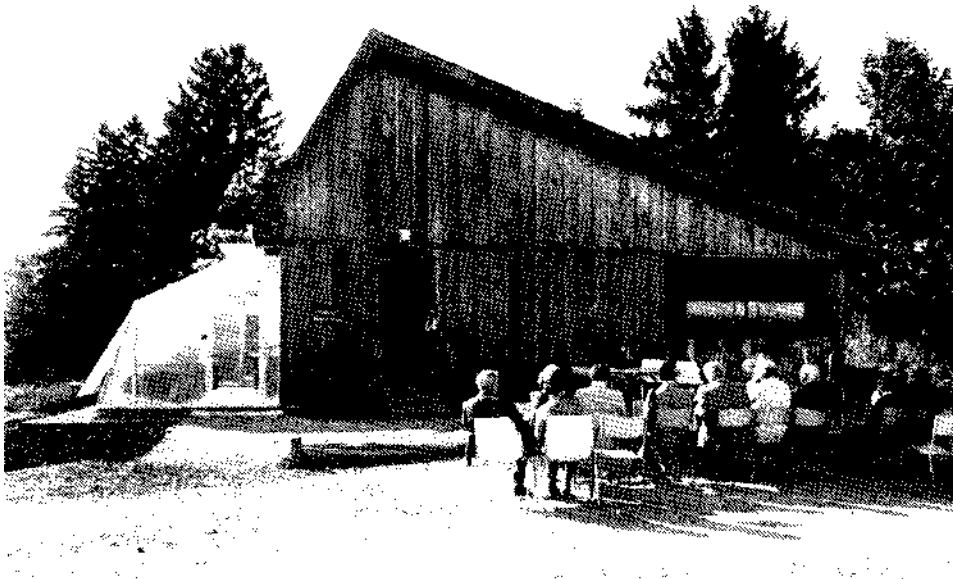
Physics professor, Ross Hallett was awarded a matching grant of \$5,200 to continue work on sperm motility analysis with the Erin Fish Hatchery and to analyze insulin samples for the Toronto Sick Children's Hospital.

Crop Science professor, Tony Hunt will use his \$50,000 matching grant to continue research into the intensive management of wheat leading to higher yields and the possible production of bread-making flour in this province.

Food Science professor, Yukio Kakuda received \$9,600 towards the cost of hiring a graduate student to compare the physico-chemical and functional properties of canola and soybean oil lecithins.

Pathology professor, Peter Little receives \$20,000 to continue a long-term research project to develop a vaccine for THE (thrombotic meningo encephalitis), a bacterial disease affecting beef cattle. The vaccine has now been used effectively in preliminary trials and is now being studied for commercial production.

Horticultural Science professors, Dennis Murr and Jim Tsujita were awarded \$18,000 to continue research on improving storage and shelf life of cut flowers through the use of high density polyethylene packaging materials. □



Arboretum Director, Professor Erik Jorgensen, welcomes visitors to the opening of the solar greenhouse.

Solar greenhouse for winter growth of foodstuffs

The Arboretum's solar greenhouse, officially opened on September 30, will be used primarily to demonstrate the feasibility of growing foodstuffs throughout the winter in an add-on structure using passive heat.

The unit, built along the south wall of the J.C. Taylor Nature Centre, is double-glazed in polycarbonate structural sheeting, a material 200 times stronger than greenhouse glass. Eighteen 45-gallon drums of water provide thermal mass for the retention of heat, augmented by aquaria and a four inch thick dark green concrete floor. The roof and end walls are insulated, leaving only the south-facing wall to catch the low winter sun which will reach through as far as the back wall of the greenhouse.

Naturalist Alan Watson says it should be possible to maintain a minimum mid-winter temperature of 4C to 5C. During sunny winter periods, windows in the back wall can be opened to siphon off excess heat into the Nature Centre. Another heat-retaining feature is a thermal blanket to

close off the south wall during cloudy periods and at night. In the summer, the insulated roof will shade most of the interior of the greenhouse from the high sun, and the combination of roof and floor level vents will remove hot air.

The solar greenhouse, built from Alumni funds provided by OAC '39 and OAC '71 in memory of classmate Peter Kelly, is an important asset to the Arboretum, notes Mr. Watson.

First year demonstrations include the maintaining of a tank of crayfish — a potential foodstuff — and the growing of such hardy salad items as spinach and Swiss chard. "We plan to move a number of aquaria out of the Centre itself, which will give us more display space, and early next year we can start forcing spring wildflowers in the greenhouse for use in our program."

Mr. Watson suggests that visitors come out a number of times during the winter season to see how the greenhouse is developing. □

Drama acquires *Continued from page 1.*

largely intact, packed away in the storage rooms of half a dozen or so critically important theatres. Gathering them into a single collection would be a very worthwhile enterprise."

Integrating the Tarragon Theatre archives into the Library special collections is already well under way, says Margaret Beckman, Chief Librarian. Processing is expected to be completed by December. Access to individual items, such as prompt books, will be available through the Library on-line catalogue system. Interested researchers should direct inquiries to Nancy Sadek, Archival and Special Collections, Ext. 3413. □

Chancellor Addresses University Community

The following are excerpts from the installation address of Chancellor Bill Stewart at fall Convocation.

"Obtaining a formal education is a marvellous achievement in itself. The assimilation of the vast wealth of information and material to be studied and explored, combined with the practical pressures of meeting deadlines and passing examinations can make the learning experience most challenging. It is increasingly difficult to remain current in one's chosen field of learning today when changes are occurring so rapidly. The unheard of, and seemingly impossible, of yesterday, is becoming the commonplace of today and the basis for new discoveries tomorrow. For example, who would have ever foreseen the incredibly rapid advances made in computer science and technology? And there are those who say we have only seen the beginning.

Yet, while all of these so-called advances offer us virtually unlimited opportunities and challenges, it seems to me that the purpose of education must be something much more than simply teaching young men and women only how to make a living, necessary though that may be. Surely the most important aspect of life is in learning how to live to the fullest of one's potential, both in one's chosen field of endeavor and in one's social consciousness and responsibility. That is what really shapes our friendships, our pleasures in life itself, and most importantly of all, our very character.

That is not to minimize the importance of gaining skills and sharpening natural ability in the pursuit not only of earning a living, but in developing our country. It is not easy for today's graduates to find gainful employment. However, the future of Canada depends on the constantly advancing expertise of its people. Certain traditional business, professional and vocational training and skills, once greatly in demand, are no longer so. There is little wonder many young people today are so discouraged and frustrated.

And yet there are people, both young and old, who have recognized the changing times and have seized the initiative to provide new services to industry and individuals.

It is never easy to be an innovator, to experiment in an untried field. But our current times dictate that one must be increasingly creative and resourceful in examining career choices. I urge you to do so. Indeed I believe it is the primary purpose of education to teach people to think for themselves, to be open to new ideas and their diverse application in a changing world. One must not get lost in the short term goals of passing tests, but look to the broader lessons to be learned in life's school.

We are without question presently experiencing difficult, often painful, times in which too many find little to be of comfort. It seems to me that, along

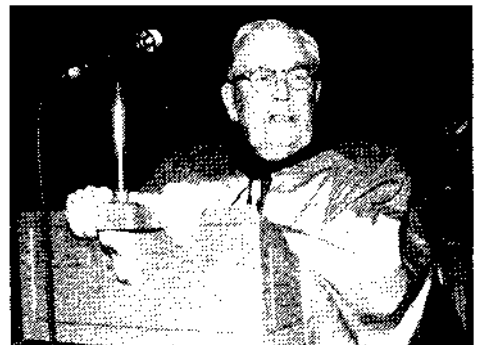


Chancellor Stewart.

with learning to live to our professional potential, we must also be learning to develop a sense of social sensitivity and consciousness by which we can better respond to the needs of those around us.

When you as graduates go out into the world, it is well worth remembering that one cannot stand alone, isolated from others' fears, needs, despair or happiness. There is far more to life than material possessions alone. When a self-centred preoccupation with making money or a driving, excessive, selfish ambition supercedes our sensitivity and response to the feelings and needs of others, then we have our priorities rather badly twisted.

In these troubled economic and personal times I would hope, and believe, that you who are graduates of this great institution of higher learning will be the leaders in bringing a considerate, sensitive, sympathetic consciousness to those around you. And while those remarks may be directed to you because of the importance this graduation day holds for you, I hope all of us will realize the difference a bit of understanding and kindness can make, not only to others, but to ourselves as we go through life.



Dr. F. Campion Stewart, who received an Honorary Doctor of Science degree at fall Convocation, addresses the graduating class.



Cynthia Hayward, Guelph, manager of the Graduate Students' Lounge, left, and Sherri Wiggins, Creemore, a Faculty Club employee, received degrees at fall Convocation.

Father Jean Vanier, in an address made in Ottawa in 1967 just following the death of his father, the late Honourable Georges Vanier, then Governor-General of Canada, said, referring to his father, 'He was convinced that the prime unique values of life were love, service and the gift of self, that anything that came to endanger these values was immediately rejected.' That to me, and I hope to you, is a noble and worthy philosophy to follow. ..."

Deans' annual meeting

The annual meeting of the Deans of Agriculture and Veterinary Medicine in Canada is at the University Tuesday, October 25 to Thursday, October 27. The conference begins at 3 p.m., October 25 in Room 205, OVC main building with a meeting of the Deans of Veterinary Medicine.

The annual business meeting begins Wednesday morning in the same location. The Honourable Dennis Timbrell, Ontario Minister of Agriculture and Food will host the evening dinner in the Cutten Club. The meeting continues Thursday morning and adjourns in time for a press conference

at 11 a.m. in the Faculty Club, level 5, University Centre. Following lunch, the Deans of Agriculture will meet briefly. □

GRAD NEWS

Eugenia Valdes, a graduate student in the Department of Environmental Biology, has won the graduate student award for 1983 of the Canadian Phytopathological Society. She presented a report, "Development of Resistance in *Albugo candida* to Metalaxyl When Used Alone and in Combination with Mancozeb on Radish (*Raphanus sativus*)." Her supervisor is Professor L.V. Edgington.

Faculty Club debt paid in full

Faculty Club members celebrated the paying off of the Club's only major debt at the annual meeting recently. Club president, Microbiology professor Phil Sweeny, burned a copy of the \$36,000 debt that was paid in full in June.

In other business, house manager, History professor Ted Cowan, noted that a new sound system will be installed in the club shortly and members would be invited to donate tapes. Plans are also in progress for redecorating the dining and lounge areas.

Members noted the amount of money spent on meals during the past year. It was a great year for lunches and members are eating four times more than they are drinking, noted the club president.

Membership chairman, Bob Logan, Library, said that membership has remained constant at 650 members and Art Committee chairman, Sandra Webster, Information Services, noted that the 1984 Learned Societies Conference is at Guelph next June and anyone on the local planning committees who wishes an exhibit related to the meetings should contact her.

Members voted a round of thanks to the manager of the Club, David Overton, and his staff for excellent service.

New members of the board of directors for the 1983-1984 year are Bob Davis, Engineering Services; Professor Kari Grimstad, Languages; Professor Homer Hogan, English Language and Literature; Caroline Pawley, Library; Professor Jack Winch, Crop Science, and Professor Wayne Pfeiffer, School of Agricultural Economics and Extension Education. Returning is John Wills, Property Management, Administrative Services.

Prof. Sweeny has been elected president and Kent Percival, ICS Administrative Information Systems, is vice-president. Treasurer is Prof. Pfeiffer, and Mr. Wills will serve again as secretary. Prof. Cowan continues as house manager, and Prof. Grimstad is membership chairman. Prof. Hogan heads up the art committee. □

STAFF DEVELOPMENT OPPORTUNITIES.

The Employment Services and Training Section of the Personnel Department advises that response to the Fall Term program of Staff Development Opportunities has again been very good. A few vacancies still exist in some courses and interested employees are asked to call Ext. 3058 or 3059 as soon as possible for more information.

THE CHILD AND FAMILY

Services and Research Unit is sponsoring a series of fall workshops led by graduate students. The Unit is a counselling clinic open to the public to provide individual, marital and family therapy. The fall workshops will discuss such topics as unemployment, adolescence, homosexuality, single parenting and old age. For more information, telephone Ext. 3798.



College Women's Club executive for 1983-1984: left to right, Margaret Austin, honorary president; Heather Proctor, treasurer; Lorna Ferguson, past-president; Elizabeth Braithwaite, newcomer chairman; Valerie Walton, vice-president; Beverly Gilbert, president, and Sandra Subden, recording secretary. Absent is Alice Moore, corresponding secretary.

Guelph/Beijing exchange continues

Land Resource Science professors Terry Gillespie and George Thurtell, are back from China where they spent 18 days as part of Guelph's twinning agreement with the Beijing Agricultural University.

The agreement, negotiated by Professor J. C. Cairns, Director, Centre for International Programs, and signed in Peking by the late President Donald Forster on behalf of the University in 1981, provides for an exchange of scientists between the two universities. The program, funded by CIDA, permits a nine man/months exchange each way annually. It is designed to upgrade Chinese scientists in agricultural and veterinarian studies.

Professors Gillespie and Thurtell were in Beijing in response to a request for specialists in agricultural meteorology. They lectured daily to about 40 scientists from the University of Beijing and other Chinese universities or research institutions.

Prof. Gillespie comments that the ability of the Chinese to measure and log data is restricted by the lack of the kind of meteorological instruments Western scientists regard as elementary. State-of-the-art electronic equipment and personnel trained in the use of this equipment are virtually non-existent.

Two members of the Beijing faculty are expected to come to Guelph shortly: a senior professor, who was also the interpreter, and a meteorologist. They will attend courses and use Library facilities to prepare new material for use in their teaching at home.

According to Prof. Cairns, Guelph faculty members are scheduled to spend time in Beijing during the next 10 to 15

months. A smaller number of Chinese scientists will be coming to Guelph during the same period.

A major scientific conference will be held in 1984 in Beijing, entitled "Confined Animal Production Systems." This will involve a team of six Canadian scientists, including four from Guelph, about 40 Chinese scientists and 15 others from southeast Asian countries. The 1984 conference is expected to be the first of a series of conferences specifically requested by the Chinese in addition to the original program, notes Prof. Cairns. CIDA has agreed to provide funding. □

Northern grant application

The northern studies committee of the Research Board is beginning the preparation of an application to Indian and Northern Affairs Canada for a Northern Training Grant for 1984-1985. The purpose of the grant is to assist graduate and senior undergraduate students who will be carrying out research projects in the North with transportation and subsistence costs (all other costs of the project must come from other research grants).

Faculty members and students who are interested in participating in this application are invited to a general information meeting in Room 103 of the University Centre at 5 p.m. Tuesday, November 1. If you cannot attend but would like information on this program, contact the Office of Research, Ext. 3082. □

A DANCE WORKSHOP with Maureen Webster Consolati, Merle Holloman and Tim Worgan, will be held at the Athletics Centre, Saturday, October 22. To register, contact Cathy O'Brien, Ext. 2152 or 2215.

"SOIL TODAY, Food Tomorrow" is the theme for the Soil Management Conference '83, December 6 to December 8 in Toronto. To register, contact Stan Young, Ext. 3933 before November 26.

THE MACDONALD STEWART Art Centre's new lecture series "Analyses" examines traditional and avant-garde concepts, media and styles. Whenever possible these talks or workshops will complement a current exhibition.

The third fall lecture in this series will be held Wednesday, November 9 at 2 p.m. featuring Noel Harding, a video, performance and installation artist discussing "Alternate Media." Harding will also be presenting a new performance this fall through the Ed Video Gallery in Guelph.

THE FIFTH ANNUAL general meeting of the Macdonald Stewart Art Centre will be held Wednesday, October 26 at 7:30 p.m., followed by a lecture by Avrom Isaacs, a prominent Toronto art dealer.

THE FIRST DRAMA production this fall will be *The Suicide*, by Russian dramatist Nikolai Erdman.

The Guelph production will be directed by Harry Lane and designed by the Drama Department's visiting designer, Tony Abrams, who has extensive professional design experience, including productions for Theatre Plus, Toronto, and the Blyth Festival. *The Suicide* will run for six nights, Monday through Saturday, October 24 to October 29, at 8 p.m. in the Inner Stage theatre, MacKinnon building, Room 101. Tickets, at \$3, may be reserved at the University Centre box office, Ext. 3940.

"ON SITE," an unusual exhibition featuring concept statements, drawing plans and models for sculpture will be shown at the Macdonald Stewart Art Centre until December.

This exhibition reflects the work of sculptor Kosso Eloul and a small selection of University of Guelph Fine Art students who studied under him and in consultation with former chairman, Professor Tom Tritschler, this summer.

THE WHIPPLETREE RESTAURANT will be closed to regular customers Thursday, October 27 and Saturday, October 29 for dinner and entertainment, 4 p.m. to 1 a.m. The restaurant will be used to accommodate the visiting dignitaries attending the Peace and Security Conference. The Whippletree will be open for lunch Thursday, October 27 from 11:45 a.m. to 1:45 p.m. On Friday, October 28, it will be open for regular service.

THE GUELPH ART HISTORY SOCIETY, a forum through which issues relating to the history of art, architecture, archeology and all areas of the visual arts are examined, presents six lectures each year.

On Sunday, November 10 at 2 p.m. David Goudy of Guelph will present a talk on "The Image of Napoleon." Mr. Goudy, a specialist in the field of "Napoleana" deals in books and objets d'art from the period.

A MABRA II SEMINAR will be given by Jim Spurgeon of I.P. Sharpe at 10 a.m. to 12 noon in Room 427 of the University Centre. The new Mabra software product is built upon the original Mabra's strengths with added facilities such as English-like commands, access to data previously stored in non-APL systems and the ability to plot information. The University has not purchased the improved Mabra system as yet. Response to this presentation will be appreciated. Details: Alison Stewart, ICS, Ext. 2706 or Wendy Woodhouse, OVC computer group, Ext. 2625.

DR. HERB ARMSTRONG has been appointed chairman of the committee on distance education by the Council of Ontario Universities. Dr. Armstrong is retired and was Dean of Graduate Studies at Guelph from 1968 to 1981. He also served as chairman of the Ontario Council on Graduate Studies and the OCGS advisory committee on academic planning.

THE FIRST MEETING of the Humanities Association will be held in Music Room 107, MacKinnon building Friday, October 21 at 8 p.m. Professor Peter Hardwick will speak on "Romantic Choral Music of the English Cathedrals."

THURSDAY'S NOON HOUR CONCERT features Lawrence Cherney, oboe, and William Aide, piano, from 12:10 p.m. to 12:45 p.m. and 1:10 p.m. to 1:45 p.m. in Music Room 107, MacKinnon building.

Program I at 12:10 p.m. will consist of Handel's "Sonata in G Minor"; "Three Romances, Op. 94," by Schumann; and "Sonate pour Hautbois" by Saint-Satins. Program II at 1:10 p.m. will include Telemann's "Partite in B Flat Major"; Ravel's "Pavane pour une infante defunte"; "Sonate" by Poulenc and "Solo" by Paladilhe.

THE MACDONALD STEWART Art Centre is pleased to announce that it will once again be a recommender for the Annual Material Assistance Grants offered by the Ontario Arts Council to artists with exhibitions between April, 1983 and March, 1984. Application for a grant may be made by artists in Wellington, Perth, Dufferin, Oxford, Waterloo, Brant and Haldimand-Norfolk counties.

Those eligible to apply are professional visual resident artists working in drawing, printing, multimedia, installation, performance art, printmaking, sculpture and crafts. Artists must have completed basic training and have spent at least one year working on their art. Artists currently in receipt of a Canada Council "A" grant are ineligible and those working in video, film or photography must apply to a different section of the Arts Council.

Grants do not exceed \$1,000 in any one year and a separate application should be made for separate exhibition.

The deadline for applications is October 31. Send them to Lynn Barbeau at the Macdonald Stewart Art Centre. Applications must include 10 slides of current work, a resume, letter of intent (costs incurred) and a letter of confirmation from the gallery where the artist's exhibition will be held. Submissions will be reviewed by a jury established by the Centre that will present recommendations to the Ontario Arts Council and successful applications should receive their grants in late November.

For further information call 837-0010.

APPLICATIONS for the 1984 WUSC International Seminar in Haiti-Dominican Republic are now available on university and college campuses across Canada.

Thirty students and three faculty leaders will be selected to participate in the summer program which begins in July 1984 and includes six weeks of travel, study and exploration of development projects in various regions of Haiti and the Dominican Republic.

The working language of the Haiti-Dominican Republic seminar will be French and a familiarity with Spanish would be an asset for faculty applicants.

Selected students will be required to raise a portion of program costs which will be covered by WUSC, including travel, lodging, meals, and all seminar activities, beginning with a pre-departure briefing in Ottawa and an orientation series in Port-au-Prince upon arrival.

The deadline for faculty applications is November 18, with student applications due November 28. Information and application forms may be obtained from The Centre for International Programs, 15 University Ave., Ext. 3778.

THE UNIVERSITY of Guelph horse poster has received an award of merit from the New York Art Directors Club in their 62nd annual exhibition.

Retirement

Mrs. Olive Black, Laundry and Linen Services, retired recently after 25 years of service. Mrs. Black, who was presented with a 25-year pin and certificate by Vice-President, Administration, Charles C. Ferguson at a retirement luncheon, had long held the senior position of lead hand.

"Laundry and Linen Services," according to Jim Van Roon, Manager, "processes over 800,000 pounds of laundry every year including all residence linens, athletic team uniforms and laboratory coats from virtually every Department. Mrs. Black played an important role in the efficient running of the operation." □

Mordecai Roshwald

A professor of humanities at the University of Minnesota, Mordecai M. Roshwald, is visiting in the College of Social Science until April, 1984, as a Winegard Visiting Professor.

Educated at Hebrew University of Jerusalem where he received his M.A. and Ph.D., Prof. Roshwald has lectured in political theory, Israel Institute of Public Administration and the department of political science, Hebrew University of Jerusalem. He was also professor in the social science program, University of Minnesota.

Well-published, he is noted for his non-fiction book, *Moses: Leader, Prophet, Man — The Story of Moses and His Image Through the Ages*, and such fictional works as *Level Seven* and *A Small Armageddon*.

Prof. Roshwald may be reached at Ext. 2166.

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FACULTY ACTIVITIES

Wildlife President

Professor David Lavigne, Zoology, has been elected president of the Wildlife Society of Canada.

FACULTY and STAFF ACTIVITIES

Faculty and staff members and students of the Department of Nutrition attended the Canadian Federation of Biological Societies meeting held in Ottawa. The following papers were presented: "Alteration and Recovery of Bleeding Times, Platelet Aggregation, and Fatty Acid Composition of Individual Phospholipids in Platelets of Human Subjects Receiving a Supplement of Cod Liver Oil," by A.A. Ahmed and **Professor B.J. Holub**; "Soybean Triacylglycerol Changes Due to Heat and Aeration," by Professor **J.C. Alexander** and H. Yoshida; "The Effect of Ethanol Intake on Zinc Deficiency Pathology in the Rat," by Professor W.J. Bettger and T.A. Bettger; "Self Regulation of Phosphate Intake by the Rat: The Effects of Age, Vitamin D and Parathyroidectomy," by Professor H.H. Draper, G.M. **Siu**, M. **Hadley** and D.E. Agwu; "Evaluation of Nutrient Content and Protein Quality of Germinated Wheat and Barley," by G.H. Gabriel, J. L. Reichertz and Professor J.C. Alexander; "The Relative Hydrolysis of Exogenous Phosphatidylinositols with Different Fatty Acid Compositions by Cytosolic Phospholipase C from Pig and Human Platelets," by Professor B.J. Holub and B. Celi; "The Effect of 3-methylindole on Lung Phospholipid Metabolism in vitro," by J. Kirkland and Professor T.M. **Bray**; "The Effect of Vitamin E and Glutathione on *in vivo* free Radical Production and Pulmonary Toxicity Induced by 3-methylindole," by S. Kubow and Professor T.M. **Bray**; "Effect of Long-term Exposure to Elevated Levels of Dietary Copper on Growth and Certain Physiological Parameters in Rainbow Trout," by **R.P.** Lanno, Professor J.W. Hilton and Professor S.J. Slinger; "Effect of Whole Dietary Alfalfa Meal and its Fractionated Components on Zearalenone Toxicosis," by K.E. Stangroom and Professor T.K. Smith; "Plant Sterols and Serum Cholesterol in the Genetically Hypercholesterolemic Mouse," by Professor B.L. Walker and B.J. Mulvihill; "Utilization of Intravenously Infused Calcium Glycerophosphate in Baby Pigs," by D.E. Yuen, R.K. Whyte and Professor H.H. Draper.

The best student presentation was by Stanley Kubow, (see News Bulletin 83 06 14).

Professors H.S. Bayley, T.K. Smith and C.Y. Cho, Nutrition, took part in the Fourth International Symposium on Protein Metabolism and Nutrition, contributing "The Use of Amino Acid Oxidation to Measure Dietary Tryptophan Requirements of Young Pigs" and "Replacement of Digestibility as a Term to Describe Gastro-intestinal Tract Function."

Professor W. Christian, Political Studies, was interviewed recently for the CBC program "Ideas."

Professors E.M. Carter, J.J. Hubert and J.P. Dick, Mathematics and Statistics, made a presentation "A Multivariate Analysis of Time Dependent Parallel Line Assays," at the annual meeting of the Biometric Society held in Toronto.

The American Society of Agronomy, Crop Science Society of America and Soil Science Society of America annual meetings were held in Washington, D.C. The following papers were presented by faculty members, graduate students, or professional staff from Land Resource Science: "Simple Mathematical Models for K Release Kinetics," by Professor J.L. Havlin and D.G. Westfall; "Transpiration Efficiencies of Maize and Alfalfa," by Dr. G.K. Walker; "Podzolization Processes in Some Northern Ontario Spodosols," by E.P. Manley and Professor L.J. Evans;

"Effects of Long-Term Erosion on Soil Properties and Productivity," by Professors J.W. Ketcheson and P.M. Groenevelt; "A Constant -- Low Flux Air Permeameter," by Professor P.H. Groenevelt, **R.G. Donald**, C.D. Grant and Professor B.D. Kay; "Nitrogen Release from Urea and Sulfu-Coated Urea in a Jack Pine Forest Floor," by N.W. Foster and Professor E.G. Beauchamp; "Sequential Extraction of Soil Cadmium after Eight Years of Sewage-Sludge Amendments," by S.A. Abboud and Professor T.E. Bates; "A New Method of Evaluating Soil Structural Stability," by N.H.E. Allen, Professors B.D. Kay and P.H. Groenevelt; "The Graduate Seminar-- A Modern Approach," by **Professor D.E. Elrick**, R.M. Elrick, and Professor K.M. King; "Effects of CO₂ Enrichment and Water Stress on Maize," by Professor K.M. King and D.H. Green; "Spatial Variability of Denitrification and Related Field Parameters," D.L. Burton and Professor E.G. Beauchamp, and, "Response of Irrigated Field Corn to Split Application of N," by C.A. Okoye and Professor D.M. Brown.

Professor **M. Lapping**, Director, University School of Rural Planning and Development, has been named to the editorial boards of Plan Canada and the Journal of Rural Studies (UK).

Professor George Leibbrandt, Mathematics and Statistics, gave lectures at the following institutions while on sabbatical leave at Cambridge, England: Max Planck Institut for Physics and Astrophysics, Munich; International Centre for Theoretical Physics, Trieste, Italy; Technical University of Vienna, Vienna, and Cambridge University. He discussed noncovariant gauge techniques in Yang-Mills theory and quantum gravity.

Professor Cameron Man, Director, School of Landscape Architecture, was the keynote speaker at the Nova Scotia Association of Architects Fall Assembly held in Digby, Nova Scotia. His keynote address was "Site Planning: A Dialogue Between Architects and Landscape Architects."

Professor Alex Michalos, Philosophy, has returned after a year in Ottawa with the Social Science Federation, Statistics Canada and the Correctional Services.

His research involved writing a history of the Federation from 1940 to 1980, a new annual review of science indicators and an evaluation framework for the education and training program of federal prisons. He was also invited by the Science Council to evaluate a study of citizen attitudes toward science and technology, and by the Organization for Economic Co-operation and Development (Paris) to describe the use of international indicators to explain male and female unemployment differences.

He gave the keynote address on quality of life measurement at the Founders Day Symposium of the Institute for Social Research at the University of Michigan, and the distinguished Franklin Lecture at Georgia State University. While he was in Atlanta, he presented a review of some research on values and happiness to the Science and Society Group of Georgia Institute of Technology. He also gave a lecture at the Centre for Asian Studies at the State University of New York, Binghamton and at Scarborough College, Toronto.

He also addressed a plenary session of the Canadian Sociology and Anthropology Association on the role of private foundations in the development of social science; presented a paper describing his research on satisfaction in Cochrane with the Rural Development Outreach Project, and served as a commentator on three papers in a session on the sociology of science.

He addressed the Society for the Study of Higher Education on the uses and abuses of social indicators. At the World Congress of Philosophy he presented a paper on the social responsibilities of business people and served as commentator on a paper concerning distinctions between political liberals and conservatives. Finally, he presented a paper on an empirical theory of value at the annual meeting of the Society for Philosophy and Technology. Prof. Michalos is president of this international association.

Professor D.L. G. Noakes, Zoology, attended the conference, Stress in Animals, held by the University of California, Davis, where he presented a paper, co-authored with **Professor J.F. Leatherland**, Zoology, entitled "Stress in Fish." Following the meeting, he conferred with colleagues at the University of California, Davis, the University of California, Berkeley, the California Academy of Sciences, San Francisco, the University of California, Santa Barbara, and the University of California, Los Angeles.

Professor Irene Pages, Languages and Literatures, was a discussant in a seminar on Simone de Beauvoir and contemporary French women writers at the 56th meeting of the American Association of Teachers of French, held in Lille, France.

Professor J.T.A. Proctor, Horticultural Science, and Visiting Professor J.C. Lee gave invitational lectures at the fifth North American Ginseng Conference in Lexington, Kentucky. Titles of their presentations were: "Some Aspects of Low Temperature Tolerance and Mineral Nutrition of American Ginseng, *Panax quinquefolius* L.," and "Effect of Temperature on Embryo Growth and Germination of Ginseng Seed." The conference included speakers and participants from many parts of the U.S. and Canada.

Professor H. Robinson, Philosophy, attended the 1983 World Congress of Philosophy held in Montreal where he presented a paper, "Theoretical Science Describes the Noumenal World."

Professor R.S. **Singh**, Mathematics and Statistics, has accepted an invitation to become a member of the international board of editors of the journal, Communications in Statistics, Theory and Methods.

Prof. Singh has been reviewing the manuscripts for this journal since September, 1982.

Maria Spinato, a NSERC summer research student in Biomedical Sciences, contributed to the Summer Institute on Instrumentation and Analytical Techniques in Veterinary Clinical Biochemistry held in the College of Veterinary Science, Mathura, India.

The title of her paper was, "The Histological Demonstration of Gastrointestinal Mucin: An Eclectic Review," which was co-authored by Dr. A. **Singh**, Biomedical Sciences.

Peter D. Taylor, Co-ordinator of Print Publication Services, was an invited speaker at the Capitalizing on the New Technology in Publications and Media Relations Conference held in Chicago. The conference was sponsored by the Council for Advancement and Support of Education (CASE). Mr. Taylor spoke on the topic of "You and the Chip: How a Microcomputer Can Help You Manage Your Publications Office More Efficiently."

Next Week at Guelph

THURSDAY, 83 10 20

Noon Hour Concert - LAWRENCE CHERNEY & WILLIAM AIDE, oboe and piano, 1210 and 1310, MacK107.
Worship - CATHOLIC MASS, 1200, chapel, level 5, UC.
Continuing Education - THE HOME/PERSONAL COMPUTER, M. Matthews, 1900, Ext. 3956 to register.
Graduate Student Seminars - THE MATERNAL TO FETAL TRANSFER OF IMMUNOGLOBULINS ASSOCIATED WITH PLACENTAL LESIONS IN SHEEP, B.J.E. Poitras, 1110, Pathology 220.
Sports - VOLLEYBALL, Guelph at McMaster, 2000.
Writing Centre **Workshop** - HOW TO WRITE AN ESSAY, 1830, Room 359, McLaughlin Library.
Staff Development Opportunities - MANAGING UNDERPERFORMANCE, 3900, UC442, Ext. 3058 to register.
Child and Family **Services Workshops** - UNEMPLOYED BREADWINNERS AND THEIR SPOUSES, 1900, Macdonald Hall, Rm 154.
Inter-Varsity Christian Fellowship - THE LORD'S PRAYER: A WAY OF LIFE, 1845, Hafa311.
Seminar - CHARISMATIC PRAYER AND THE MINISTRY OF HEALING, 2000, MacK224.
Lecture - THE COMING OF W.W.III, Dimitri Roussopoulos, 2000, UC442.

FRIDAY, 83 10 21

Friday Flicks - UP IN SMOKE, 1930, and STILL SMOKIN', 2130, PS105.
Worship - FACULTY CHRISTIAN FELLOWSHIP, 1200, Johnston Hall 157; Muslim Prayers, 1200, chapel, level 5, UC.
Faculty Club - SHRIMP COCKTAIL SPECIAL, 1600, Faculty Club.

SATURDAY, 83 10 22

Continuing Education - MAKING CHEESE, Prof. Irvin e, 0930, Ext. 3956 to register.
Sports - VOLLEYBALL, Alumni vs. Guelph, 1000.
Workshop - DANCE: JAIL, MODERN DANCE AND FLOOR BARRE, 0900, Athletics Centre, Ext. 2152 to register.
Rally - INTERNATIONAL DAY OF PROTEST, 1300, St. George's Square.

SUNDAY, 83 10 23

Hollywood Nites - TRADING PLACES, 1930 and 2100, WMH.
Worship - ANGLICAN/UNITED, 1600, UC441; CAMPUS CHURCH SERVICE, 1030, PS113; CATHOLIC MASS, 1000, PCH.
Guelph Cycling Club - BELFOUNTAIN, 1000, UC.
International Cinema - VERONIKA VOSS, 2000, PS105.
Sunday Afternoon Walks - MIGRATION, 1400, J.C. Taylor Nature Centre.

MONDAY, 83 10 24

Drama - THE SUICIDE, 2000, Inner Stage.
Sports - VOLLEYBALL SKILLS CLINIC, 0900, Ext. 2224 for details.
Staff Development Opportunities - RADIATION PROTECTION SEMINAR SERIES, 1530, PS202, Ext. 3058 to register.
Colloquium - FRENCH SOCIAL PSYCHOLOGY, 1210, MacK309.

TUESDAY, 83 10 25

Worship - CATHOLIC MASS, 1700, chapel, level 5, UC; CHRISTIANITY AND MARXISM, 1700, UC332.
ICS - SAS GRAPHICS FOR MANAGERS, T. MacKay, 1030, Ext. 3046 to register.
Classes - CITIZENSHIP ORIENTATION, 1900, Guelph Multicultural Centre, 128 Woolwich St., Suite 203.
Our World - DISARMAMENT UPDATE, 1210, UC442.
Drama - THE SUICIDE, 2000, Inner Stage.
Physics Seminars - Dr. D. Emin, Sandia National Laboratories, Albuquerque, N.M., 1600, PS113.
University Women's Club - HOW TO INVEST, 2015, Guelph Public Library.

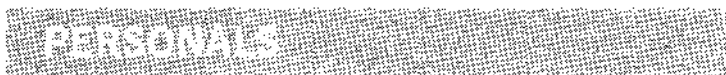
Meeting - MICROCOMPUTER CLUB, 1900, ICS212.
Faculty Association - COUNCIL MEETING, 1930, Faculty Club Lounge, level 5, UC.
Child and Family **Services Workshops** - SELF HELP AND ADVOCACY GROUP FOR PARENTS OF DISABLED CHILDREN, 1930, Macdonald Hall, Rm. 149A; COPING WITH A MASTECTOMY, 1900, Ext. 3798 for details.

WEDNESDAY, 83 10 26

Worship - CHRISTIAN DOCTRINE CLASS, 1700, UC334; IMMANUEL FELLOWSHIP, 1900, AS141; ANGLICAN EUCHARIST, 1210, Johnston 151; CATHOLIC MASS, 1700, chapel, level 5, UC.
Guelph Cycling Club - FIFE ROAD, 1715, UC.
Drama - THE SUICIDE, 2000, Inner Stage.
Sports - VOLLEYBALL, Toronto at Guelph, 2000.
Biochemistry Seminars -- SELECTION OF METABOLICALLY-VARIANT CATHARANTHUS ROSEUS CELL LINES BY USE OF TR YPTOPHAN ANALOGUES, Dr. Florenz Sasse, Biotechnology Research Inst., Braunschweig, W. Germany, 1200, PS222.
Captain's Series - ENDING RELATIONSHIPS: SOME SURVIVAL TIPS, 1210, UC335.
Gerontology Seminars - THEMES EMERGING FROM THE NATO ADVANCED RESEARCH WORKSHOP ON SOCIAL SUPPORT, B. Gottlieb, Psychology, 1200, UC332.
Meeting - ANNUAL GENERAL MEETING, 1930, Macdonald Stewart Art Centre.
Public Forum - THE ARMS RACE AND YOU, 1930, UC103.

THURSDAY, 83 10 27

Noon Hour Concert - STEPHEN CHENETTE, IVAN HAMMOND & SUSAN CHENETTE, trumpet, tuba & piano, 1210 and 1310, MacK107.
Worship - CATHOLIC MASS, 1200, chapel, level 5, UC.
Conference - PEACE AND SECURITY IN A NUCLEAR AGE, 2000, PCH, UC Meeting - BOARD OF GOVERNORS, 1000, UC424.
Apiculture Club - AFRICANIZED BEES IN COLOMBIA, SOUTH AMERICA, M.V. Smith, 1710, Graham Hall, Rm. 200.
Child and Family **Services Workshops** - ADULTS CONCERNED ABOUT INSTITUTIONALIZATION OF AN ELDER IN THEIR FAMILY, 1830, Gerontology Research Centre, Macdonald Hall.
Writing Centre Workshop - HOW TO WRITE AN ESSAY, 1830, Rm. 359, McLaughlin Library.
Inter-Varsity Christian Fellowship - LORD TEACH US TO PRAY: PRAYERS OF THE BIBLE, 1845, ASN141.
Seminar - SADHANA: A WAY TO GOD, 2000, MacK224.



For Sale

Large chest-type frigidaire freezer, 821-3940; experimental vanilla ice cream, contact Peter, F. Sci. 025 (basement); sofa and chair, ice skates, three speed bike, 1975 Volvo, 822-8426 after 1800; extension table, four swivel chairs, Charlotte Moulinex, Chevette snow tires, humidifier, electric lawn mower, 821-5751; 1975 VW Rabbit, 821-3903 after 1800; 15 railroad ties, 45 8 X 16 patio slabs, 822-5282; Yamaha Portasound PS20 electronic keyboard, 821-0488; 1974 VW Superbeetle, 824-1057 evenings; 9-piece walnut dining room suite, 1974 Hornet station wagon, 821-3814; Bonair 850 tent trailer with rear view mirrors for car, tent gazebo, 658-9938 after 1900; Gestetner, electric with cover, stand and supplies, 837-2820; 1966 Mustang coupe, 1946 Chev pickup, 824-4587; Lloyd's stero system; 1909 oak Scottish washstand, 824-8106; maternity wear, size 9-10, 836-9555 after 1700; modern mahogany drawer unit, shelves and display case, 856-4617 evenings; girl's size 12 navy blue English riding jacket, rolled leather English show bridle, size 5 Aigle English riding boots, size 4 leather English riding boots; Eggbutt snaffle bit, 843-5778 after 1800; scatter rug, electric coffee perculator, curtains, lamps, mugs, glasses, girl's standard bike, 822-3129 after 1630; fry pan, tea pot, portable hair dryer, 822-3149 after 1700; Smith Corona electric typewriter and TP1 printer, 824-4869 evenings.

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