

NEWS BULLETIN

UNIVERSITY OF GUELPH

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November 7, 1974

Lewis to speak on role of the third party

David Lewis, NDP leader since 1971, will speak on the role of the third party in parliament on campus, Monday, November 11 at 8 p.m. in Physical Science 113. Mr. Lewis, a labor lawyer who has been politically active since his student days, joined the CCF in the thirties. He was defeated in his York South riding in the July election by Liberal Ursula Appolloni in a surprise upset.

Mr. Lewis, who came to Canada when his family emigrated from Poland after the First World War, graduated from McGill University and went to Oxford as a Rhodes Scholar in the early thirties, graduating from Lincoln College, Oxford, in 1935. He became a partner in Jolliffe, Lewis and Osler of Toronto in 1951. He has held most national offices in the CCF, from secretary from 1937 — 50 to president just before the NDP was formed in 1961. He has been national vice-president of the NDP since that time. Mr. Lewis now holds an appointment at the Institute of Canadian Studies at Carleton University.

Mr. Lewis is author of *Louder Voices: The Corporate Welfare Bums* published in 1972 and *Make This Your Canada*, which he wrote with Frank Scott. His son Stephen is leader of the NDP in the Ontario legislature.

Guelph death and dying course an exercise in living and thinking

"Death has replaced sex as a taboo in our society, while the hospital has become the dominant institution of our time." Professor Richard Lonetto told the *News Bulletin*. He is teaching a course on the psychology of death, dying and aging at the University of Guelph this fall.

The first one of its kind offered at Guelph, the course is aimed at helping people to examine death, dying and aging, and to help them think about something people generally refuse to consider until they are forced to through personal involvement. It's not an exercise in morbidity, but an exercise in living and thinking, Professor Lonetto said. There are courses on almost every other phase of life and the new course is only picking up where these leave off, said the psychologist. There are few similar courses anywhere in Canada.

Death, dying and aging is an area of research where relatively little work has been done — Canadian psychologists held their first symposium on the subject only last year. A few generations ago, there seemed to be less emphasis on the taboo; people were born, grew old, and usually died at home amongst members of their family. Now, however, such events usually occur in hospitals or other institutions and most members of the family are insulated from them, he explained.

As the babies of the post-war "boom" get older, though, the pattern of where people live when they grow old and where they die will probably reverse itself as there just won't be enough institutions to keep their families from being involved more deeply than they are now, Professor Lonetto said. It is time for people to start examining their attitudes towards death, dying and aging, he commented.

The field is one in which there are no real experts, though some have professed to be, he said. He has been carrying out research in the field for some time and has been involved in the production of films on the subject, including two made with patients at the Baycrest Centre for Geriatric Care, in Toronto. One of the films, *Waiting*, is used in the course.

Professor Lonetto teaches two of the three sections of the course, while another psychologist, Professor Steve Fleming of York University, who has done extensive work in the field, teaches a third section of students. About 160 students are enrolled, taking the three-hour evening class once a week.

The subject matter is presented in both realistic and philosophic terms for the students. Students have filled out their own death certificates, which included a description of the manner in which they died. Later, they will go through the exercise again and see if their attitudes towards their own deaths have changed. Other exercises, such as drawing and describing death, are also used in the course along with films, like the one of an

interview with a 30-year-old father of three who has just been told that he has only a few years to live. An exercise is usually followed by a lecture and then a film. Following the film, the class breaks down into small discussion groups.

The course examines the ways that people have looked at death, dying and aging and also looks at some aspects of the field which have often been avoided, such as children and death. Many areas of study are examined with the help of guest lecturers such as Stephen Rudin, the assistant administrator of the Baycrest Centre for Geriatric Care, and three area artists who will talk to the class in the Bull Ring on November 26 on death in art. On November 12, funeral director Robert Lavern, of the Kennedy-Tubman funeral home, Ottawa, with the help of slides and props like a casket, will take the students through the whole North American funeral process, from embalming to burial, as part of an examination of funeral rituals.

The students represent a wide range of ages and professions. Many nurses and people who work with senior citizens are taking the course, but the reasons for enrolment range from professional interest to curiosity, to wanting to understand attitudes and actions related to personal experiences.

Helen Cox, a sixth semester psychology major, is taking the course out of an interest in the subject created by her experiences working at a senior citizens home. "It's giving me a much better perspective; it's expanding my consciousness of death," she said.

Another student is taking the course because of a personal experience that had a strong effect upon her. About two years ago her sister committed suicide, but other members of the family refused to acknowledge such an unacceptable way of dying, she said. The death "shattered me," but other members of her family refused to discuss it in an open and frank manner. She has had a hard time coping with the experience because of the family attitude. "Even to my brother, a doctor, the subject was taboo; he refused to acknowledge that she had killed herself," she commented.

Like others with personal experiences, she is not expecting the course to miraculously solve her problem in coming to grips with the experience, and Professor Lonetto makes it clear that he's not offering a counselling course. The course however, will help students to understand death, dying and aging and hopefully direct their reading and thinking to a point where they may be able to understand their own experiences and attitudes and the attitudes of their families and friends.

The interest in the course is contagious —

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FACULTY ACTIVITIES

Professor G. Karl, Physics, gave a seminar entitled "What might we learn from electron-positron annihilation at high energies?" in the Physics Department of the University of Toronto and McGill University. He also gave a colloquium in the Physics Department of Carleton University on true things about electron-positron annihilation.

Professor D.M. Irvine, Food Science, was asked to judge at the 2nd world championship natural cheese contest, which featured close to 200 entries of all types of cheese from all the major cheese making countries of the world, held in Green Bay, Wisconsin.

Professor John T. Powell, Human Kinetics, talked to over 100 Grade X1 students of G.C.V.I. on the parameters of physical fitness.

Professors V.F. Rasper and D.W. Stanley attended the 59th annual meeting of the American Association of Cereal Chemists in Montreal where they presented the following papers: Dough rheology at large deformations in simple tensile mode (V.F. Rasper), Dehulling of rapeseed (J.M. deMan, D.W. Stanley). The utilization of microwave heating in the production of soymilk protein (D.L. Armstrong, D.W. Stanley) and Texture-structure relationships in texturized soy protein: 111 Textural evaluation of extruded products (T.J. Maurice, L.D. Burgess and D.W. Stanley).

Professor Joseph Hornick, Family Studies, recently presented a lecture on the importance of marriage and family systems to the individual in contemporary society, to the London Home Economics Association.

Professor R.G. Brown, Animal and Poultry Science, attended the 2nd International Conference on Vitamin C sponsored by the New York Academy of Science in New York City. He also presented a lecture on dog nutrition to the Ottawa Kennel Club at Algonquin College in Ottawa.

Professors R.J. Hathorn, Languages, and J.C.M. Shute, Extension Education, attended the annual conference of the Canadian Bureau for International Education in Trois Rivieres. Both were re-elected to two-year terms on the board of directors.

Professor K. Victor Ujimoto, Sociology, attended the urban forum held recently in Ottawa, sponsored by the Canadian Council on Urban and Regional Research. This was the first national attempt of university-institute study teams to address the objectives and methods of inquiry into the role of urban institutes. Professor Ujimoto participated in the session on simulation of a new town.

PUBLICATIONS

Marshall, Linda, 1974. Review of *The Cosmographia of Bernardus Silvestris*, ed. and trans. Winthrop Wetherbee. The Humanities Association Review, 25 (Summer, 1974), 254-56. (English)

Chander, S. and J.P.W. Gilman, 1974. Bovine leukosis III. Relationship between lymphocytosis and DNA synthetic lymphocytes. Can. J. comp. Med. 38: 430-436. (Biomedical Sciences)

Brown, R.G., P.R. Sweeny, J.C. George, D.W. Stanley and E.T. Moran, 1974. Selenium deficiency in the duck: serum ascorbic acid levels in developing muscular dystrophy. Poultry Science 53: 1235-1239. (Animal & Poultry Science)

Professor F.F. Gilbert, Zoology, participated in the Great Lakes Deer Group Meeting held in Parry Sound.

Professor I.L. Nonnecke, Horticulture, attended the 15th National Carrot Conference at the University of Wisconsin, Madison, where he gave a report on the current situation on carrot production in Canada.

Professor Eugene Balon, Zoology, attended the XI Xth Congress, International Association of Limnology held in Winnipeg, Manitoba and presented a paper on ecological guilds of fishes: a proposal, definition and application in analysing succession in ecosystems. P.F. Lett presented a sample application of the guild concept to modelling of the Great Lakes System. Further observations were presented by another graduate student, E.M. Chadwick.

Professors Ken Menzies and K. Victor Ujimoto, Sociology and Anthropology, and Donald Gordon, student in the Asian Studies Program, attended the Upstate New York-Southern Ontario Japan Seminar held recently at the University of Toronto.

Professor V. Rasper, Food Science, attended the 24th Annual Trans-Border Meeting of the Association of Operative Millers and the American Association of Cereal Chemists (Buffalo and Toronto Sections) held in Sheraton Mt. Royal Hotel in Montreal. Prof. V. Rasper, as Chairman of the AACCC Toronto Section, delivered the welcoming address.

Professor J. Thorsen, Veterinary Microbiology and Immunology, recently visited the University of Saskatchewan to take part in a videotape on exotic diseases of animals. The videotape is intended for use in continuing education programs for veterinarians. He has been awarded a travel and research grant by the International Development Research Centre which will allow him to return to Kenya to study esophageal cancer in cattle, a subject in which he became interested during a period of service as assistant director of Veterinary Services (Research) in Kenya.

Professor W. Stanford Reid, History, acted as chairman of the banquet at the meetings of the Conference on Sixteenth Century Studies held in St. Louis, Mo. Professor Reid was also elected a member of the executive of the conference. Professor Reid presented a paper on the reformations in France and Scotland: their interrelationship at the meeting of the midwest conference on British Studies in Minneapolis.

Professor J. Sorvari, Physics, is serving as external examiner for a Ph.D. final oral in the Astronomy Department, University of Toronto.

Peter, R.E. (Edmonton) and B.A. McKeown, 1974. Effects of hypothalamic and thalamic lesions on prolactin secretion in goldfish (*Carassius auratus*). Gen. Comp. Endocrinol., 23: 438-452 (Zoology)

Knowles, C.M. and E.M. Pearson, 1974. The Documentation Centre of the University of Guelph Library (Its function and position within the Library organization). Government Publications Review, Vol. 1, pp. 241-250 (Library)

Baker, B.I. (Sheffield), J.F. Leatherland (Guelph) and A.P. Scott (London), 1974. The release of secretory products from the corticotrophic cells of *Salmo gairdneri* in vitro. Cell Tiss. Res., 151: 481-489. (Zoology)

Board chairman makes statement

The following statement was released to the press by **W.W. Lasby**, chairman of the Board of Governors on November 4.

At its October meeting the Board of Governors discussed objections to its recent appointment of Guelph industrialist, John Wood, as a member of the Board. The objections had been made in letters from three members of the University community — John McMurtry, Philosophy lecturer; Alan Pickersgill, recording secretary of Local 1334, CUPE; and Tim Hawkins, president, UGCSA. I have responded to each letter on behalf of the Board and conveyed the Board opinion on the points made in the three letters.

As the objections to Mr. Wood's appointment have been publicized on campus I am making public the responses of the Board.

The Board rejected the allegations that Mr. Wood is morally unsuitable to serve because he profited from munitions manufacturing. The Board is of the opinion that views about the appropriateness of this kind of manufacture and sale would be more suitably directed to the Canadian government, since through agreements with the United States, it encourages such manufacturing. Each of us must decide, in the light of personal experience, whether or not he/she agrees with the policy of the government. The Board reaffirmed its earlier decision that Mr. Wood has the personal qualities and dedication to make a significant contribution to the work of the Board and to the well-being of the University.

The Board is satisfied that Mr. Wood is not "anti-labour." The employees of W.C. Wood Company, of which he is an officer, have had and continue to have, the same opportunities to organize, should they so wish, under the same Provincial laws, as other workers in Ontario. The Board is satisfied that Mr. Wood does not hold views with regard to labour organizations which would affect his objectivity as a member of the Board.

Remembrance Day

Classes will be cancelled from 10:45 until 11:20 a.m. on November 11 for the annual Remembrance Day service. The short service which includes the choir singing, and president's address will be in War Memorial Hall at 10:55.

Death and dying

Continued from page 1.

students often bring friends to classes, and there will hopefully be a reading course offered to those members of the class who want to continue their studies in the field next semester, Professor Lonetto said. Students who missed out on the course this semester, however, will have to wait until next fall when the introductory course will be offered again.

MA thesis starting point for book

A recent M.A. graduate from Guelph, Barbara Wilson (M.A. English 1973), is writing a book that arose from studies for her thesis. Mrs. Wilson returned to studies after 12 years out of school during which time she was part-time housewife, part-time teacher.

Research for her thesis — *Strangers in a Strange Land: Literary Use of Canadian Landscape by Five Genteel Settlers* — provided the background for further studies. With support from a Canada Council research grant and encouragement from a Canadian publisher, Mrs. Wilson hopes to produce the book tentatively titled *Portrait of a Pioneering Family*, sometime in 1975.

The book concerns the Langton family who emigrated in the 1830's from England to an area of the backwoods north west of Peterborough — Sturgeon Lake, near Fenelon Falls. Some of the Langton letters and sketches were published earlier this century. Mrs. Wilson has located original letters, sketches, and journals in both England and Canada; some of these items have not been published previously.

The book will be a biographical account of the family's history prior to and following emigration, with an assessment of the contributions which members of the family made to early Canadian life. As a result of their education the family produced valuable, informative records — both literary and artistic. In addition, John Langton held office as

vice-chancellor of the University of Toronto from 1855-1860, auditor-general of Upper Canada from 1855-1867 and auditor-general for Canada from Confederation until 1878.

Through her research Mrs. Wilson has traced the nearest surviving relatives to the "Canadian" branch of the Langton family in England and has interviewed the present "head" of the family in London. She also visited Blythe Hall, Lancashire, which was owned by the Langtons from 1804-1821 and was their favorite residence. On their arrival in the bush they immediately set out, despite all odds, to re-create another, albeit modified, "Blythe," in the backwoods.

Since the Langtons wrote to inform their relatives and friends in England of life in pioneering days in early Canada, Mrs. Wilson feels that they have left a legacy which is equally interesting to present-day Canadians who are searching for their social and cultural "roots."

She is finding the work fascinating and admits that when she started her graduate studies she had no idea how far they would take her. Now, if all goes well, she plans a second book to cover those areas which do not fit into the present project. Of her decision to return to studies after such a long interval she comments, "I felt that if I didn't try I'd never know whether I could do it."

APPOINTMENTS



Dr. Dorothy Jean Milne, who was visiting assistant professor at the University of Victoria, B.C., this past year, has joined the Department of Zoology as assistant professor. After receiving her B.Sc. in Honors

Zoology from McGill in 1964 she went to Brown University, Providence, Rhode Island, receiving her Ph.D. in biology in 1971. Dr. Milne's special field of interest is invertebrate physiology and tissue ultrastructure and her continuing research is in environmental physiology, especially with respect to temperature and salinity adaptations in aquatic invertebrates.

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Dr. Warner Larry Grovum has been appointed assistant professor in the Department of Biomedical Sciences. Before coming to Guelph Dr. Grovum was research associate at the University of Pennsylvania, Philadelphia where he

studied gastrointestinal hormones in sheep and the effects of lateral ventricular injections of Ca⁺⁺, Mg⁺⁺ and barbiturates on food intake in the pig. Dr. Grovum received his B.Sc. in Agriculture degree with distinction in 1966 from the University of Saskatchewan and his Ph.D. degree in 1971 from the University of New England, Armidale, New South Wales, Australia, specializing in animal physiology.

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Oswald Hall has been appointed visiting professor in the Department of Sociology and Anthropology for one year. He will be teaching sociology of work and industrial sociology in the fall semester 1974. Professor Oswald Hall

comes to Guelph from the University of Toronto Sociology Department. He is an internationally known expert in sociology of the professions. He holds a B.A. honors degree from Queen's University (1935) where he majored in economics and philosophy, an M.A. degree from McGill University (1937) where he majored in sociology, and he received his Ph.D. degree from the University of Chicago (1944) where he also majored in sociology.



Dr. Martin Kaplan of the World Health Organization in Geneva delivered the Annual Frank Schofield Memorial Lecture at OVC. He is shown here with President W.C. Winegard, left, and Dean D.G. Howell on the right. Dr. Kaplan holds a memorial medal, presented to him in honor of Dr. Schofield who served his profession both on the faculty of OVC and at Seoul University in Korea where he taught from 1916 — 1920, returning to work in Korea again after his retirement. Dr. Kaplan spoke on challenges to human and veterinary medicine in developing countries, paying tribute to Frank Schofield as "an inspiring example to our young students and graduates of what our profession can and should contribute to improving the lot of the majority of the earth's people who dwell in the poor countries." Dr. Kaplan is director of the office of research promotion and development, WHO.

FACULTY ACTIVITIES

Professor D. Arthur, Nutrition, participated in the Materials Research Symposium, Accuracy in Trace Analysis, at the U.S. National Bureau of Standards, Gaithersburg, Maryland.

Mrs. Margaret Beckman, Library, addressed the Council of Higher Education for New Jersey, at the New Jersey Institute of Technology, on the implications of new technology on modern academic library management and services.

Professor Margret Andersen, Languages, presented a paper on feminism as a criterion of the literary critic at the Tenth Annual Meeting of the Canadian Association for American Studies, at the University of Ottawa.

Professor I. Pages, Languages, presented a paper on Simone de Beauvoir: demystificatrice de l'Éternel Féminin at the Tenth Annual Meeting of the Canadian Association for American Studies, at the University of Ottawa.

Professor H.D. Ayers, Engineering, attended the Pan American Union of Engineering Associations in Toronto sponsored by the C.S.C.E.

Professor A.G. Meiering, Engineering, has been appointed chairman of the Electrical Power and Processing section, Subject Matter Steering Committee for the C.S.A.E.

Professor F. Theakston, Engineering, attended a meeting of the National Research Council Snow and Ice Committee held in Ottawa and, with students in engineering, attended the joint Engineering Institute of Canada and American Public Works Association meeting held at the Royal York Hotel, Toronto. Professor Theakston was also guest speaker at the English Speaking Union gathering held at the Arboretum auditorium, University of Guelph where he spoke on snow engineering in the Arctic.

Professor Louise Colley, Sociology and Anthropology, has recently returned from Europe where she attended the Second International Conference on Leisure and Education in Budapest, Hungary. She followed this up with visits to centres of leisure research and education at the Institute of Philosophy and Sociology in Prague, the University of Hamburg, the University of Salford, England, and the National Institute of Adult Education in London. Professor Colley is presently on sabbatical leave and received a travel grant from the Canada Council to attend the conference in Budapest.

Pathology faculty attending the Wildlife Disease Association Council Meeting at Pacific Grove, California, were Professor L.H. Karstad, editor of the Journal of Wildlife Diseases, Professor Joan Budd, associate editor and Dr. L. Sileo. The council meeting was held prior to the 1974 Annual Wildlife Diseases Conference at which Professor Budd presided as chairman of a section on diseases of fishes, and Professor Karstad presented papers on cytomegalic inclusion disease in East African hedgehogs and The role of wild ruminants in the epidemiology of bovine pectheial fever. Dr. Sileo presented papers on isolations of *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* from wildlife in Ontario and organochlorine poisoning of ringbilled gulls, and Dr. R.O. Ramsden presented a paper on toxoplasmosis: a serological survey of some Ontario wildlife species. J.C. Irwin contributed to an informal discussion on lead poisoning.

Professor P.B. Little, Pathology, was invited to present a six-day short course on neurological diseases of domestic animals at Abbotsford, British Columbia. The course was attended by veterinary practitioners, laboratory personnel and field staff of the B.C. Veterinary Services Branch.

Professor J.C. Cairns, Center for International Programs, participated in a Toronto meeting for the briefing of the education representatives of the Canadian delegation to the 18th General Conference of UNESCO. At this meeting decisions were taken as to Canada's position on educational issues within the UNESCO program.

Professor Eric Cameron, Fine Art, recently attended the First Congress of the International Association for Semiotic Studies held in Milan and gave a paper on the nature of depiction.

Professor E.M. Watkin, Crop Science, represented Noranda Mines Ltd. at the National Coal Association conference on coal and the environment in Louisville, Kentucky.

Professors T.C. Williams and Kip Hunter, Philosophy, and Sandy MacDonald attended the International Congress to celebrate the 250th anniversary of the birth of Immanuel Kant held at the University of Ottawa. Professor T.C. Williams delivered a principal lecture.

Professor E. Benson, English, attended a series of seminars in Toronto on "Canadian Plays and Playwrights."

Professor Elizabeth Upton, School of Hotel and Food Administration, attended the 57th annual meeting and convention of the American Dietetic Association in Philadelphia.

Professor E. Waterston, English, presented a paper entitled, *Dynamo, Virgin, and the Gap in Henry Adams' Education*, at the annual conference of the Canadian Association for American Studies, held in Ottawa. Professor Nancy Bailey-Bligh also attended the conference.

Professor D.A. Barnum, Veterinary Microbiology and Immunology, was an invited speaker at an Ontario Public Health Association meeting in Toronto. He spoke on recent trends in *Salmonellosis* as related to food-borne illnesses.

For the second time in a row, Professor Gianni Bartocci, Languages, was invited to be a member of the jury of the Italian Folklore Festival, organized by the Federation of Italian-Canadian Associations and Clubs and sponsored by Molson's Brewery. The festival, held recently in Toronto, was one of the events of Columbus Week.

Professor C.L. Duitschaever, Food Science, organized and gave the lecture and laboratory material for the recent two week food laboratory technicians' course in microbiology. Those registered included government and industry personnel from Ontario and the Maritime provinces.

Joni Johnson, Athletics, attended a meeting of the C.W.F.H.A. in Victoria, B.C., and watched the Canadian Women's Field Hockey Tournament which ran for four days. She was appointed to the selection committee of the O.W.F.H.A. junior squad which is chosen from the 68 high school teams, involving over 800 players that participated in the association's school-girl tournament.

Professor W. Stanford Reid, History, presided as chairman at a session of the Conference on Faith and History at Bethel College, St. Paul, Minnesota. The theme of the conference was civil religion in history.

Professor John T. Powell, Human Kinetics, spoke to the Registered Nurses' Association of Ontario at St. Joseph's Hospital on the subject "Is there any relationship between exercise and health?" He was also interviewed recently by Ron Davey on the Channel 8 television program, Talking Sports.

PUBLICATIONS

Auld, D.A.L., 1974. The impact of taxes on wages and prices, *National Tax Journal*, Vol. 26 (Economics)

Gaskin, D.E., G.J.D. Smith, R. Frank (OMAF Pesticide Lab.), *et al.* Mercury, DDT, dieldrin and PCB in two species of Odontoceti (*Cetacea*) from St. Lucia, Lesser Antilles. *J. Fish. Res. Bd. Canada* 31 (7): 1235-1239 (Zoology)

Lavigne, D.M. and N.A. Øritsland, 1974. Black polar bears. *Nature* 251: 218-219. (Zoology)

Singh, Amreek and M.P. Johari, 1974. Osteological differences between Water Buffalo (*Bos bubalis*) and Ox (*Bos indicus*). *Anat. Anz. Bd.* 135: 373-376. (Biomedical Sciences)

MacKinnon, Neil J., 1974. Profile analysis in the search for structure underlying role expectations: a multivariate technique for role analysis, *Sociological Methods and Research*, 11, 1 August. (Sociology and Anthropology)

Wilkie, B.N., 1974. Review of bovine immunology for the Veterinary Practitioner. *Can. Vet. J.*, 15 (9): 243-248 (Vet. Micro. & Immun.)

Rees, R., 1974. A reconsideration of the expense preference theory of the firm, *Economica*, Vol. 41 (Economics)

Sinclair, Peter R. (co-author), 1974. *Village in Crisis*. Holt, Rinehart and Winston, Toronto. (Sociology/Anthropology)

Goldman, S., R. G. Bates and R. A. Robinson, 1974. Osmotic coefficients and activity coefficients of iodic acid at high concentrations. *J. Solution Chem.* 3, 593-602. (Chemistry)

Thorsen, J., J. E. Cooper and G. P. Warwick, 1974. Oesophageal papillomata in cattle in Kenya. *Tropical Animal Health and Production* 6: 95-98. (Vet. Micro. and Immun.)

Cameron, Eric, 1974. Videotape and the University Art Program Studio International, June 1974. (Fine Art)

Arthur, D., 1974. Comparative Nutrition — Laboratory Course. Published by Audio-Visual Services, University of Guelph. (Nutrition)

Canadiana exhibit

opens November 8

The W.H. Coverdale Collection of Canadiana, a major exhibition of paintings, drawings and water colors, opens Friday, November 8 at 4:30 p.m. in Arts 132.

The 100 works on display, all from the Public Archives of Canada, represent Canadian history and art from 1650 — 1850. They document our topography, military and social events, personalities, and fauna from coast to coast, with heavy concentration on pre-confederation Canada east of the Lakehead. Many of the artists are well known to collectors of Canadiana: James Peachey, James Pattison Cockburn, William Armstrong and C.W. Jeffreys, among others. Naturalist James Audubon is represented by three studies. Other works of high calibre and historical interest are anonymous. The William H. Coverdale Collection of Canadiana consists of over 2,500 paintings, engravings, drawings and maps. It was assembled during the 1930's under the guidance of the president of Canada Steamship Lines, and for many years was housed at Manoir Richelieu, the company's hotel at Murray Bay, Quebec.

The government of Canada purchased the Coverdale Collection in 1970 and presented the bulk of its treasures to the Public Archives. The National Gallery received 62 water colours to augment their collection of early works. In recognition of the collection's importance as part of our heritage, it was stipulated at the time of purchase that the works be made accessible to the people of Canada through exhibitions such as this one. There is no admission charge. Hours are as follows: November 9 — 4 p.m. — 9 p.m.; November 10 — December 1: Monday, Tuesday, Wednesday — 10 a.m. — 5 p.m.; Thursday, Friday — 10 a.m. — 9 p.m.; Saturday, Sunday — 2 p.m. — 5 p.m.

University reduces energy consumption

Energy conservation is everybody's business. Since 1971 the University of Guelph has been working diligently to reduce energy usage on campus with better results every year in the period from 1971 — 74. Thanks to a more efficient use of electrical power and to the cooperation of building users in switching off lighting and equipment when not required, there has been a steadily decreasing consumption per person. Heating and cooling trends show a similar decline. Much, however, remains to be done if the university is to keep pace with the soaring cost of utilities in this era of diminishing reserves of gas and fossil fuels. Everyone can help to conserve energy, simply by the flick of a switch or a turn of a thermostat. Wherever possible switch it off — now!

Unconventional energy sources researched

As the cost of conventional energy sources rises and their future availability becomes a matter of increasing concern, the search for unconventional sources intensifies. In a study funded by Ontario Hydro, Atomic Energy Canada Ltd., OMAF and Agriculture Canada, Dr. Robert Gillham, while a research associate in the Department of Land Resource Science, examined possible agricultural uses of "waste heat" discharged by steam-electric generating plants. The study considered the technical and economic feasibility of various utilization schemes and included visits to several research facilities throughout North America.

Dr. Gillham stated that for each unit of electrical energy produced by the steam-electric process, which includes both fossil and nuclear fuelled generating plants, approximately two units are rejected to the environment as waste heat. In Ontario, most of the waste heat is contained in cooling water which is discharged to the Great Lakes. Although the quantity of heat contained in the cooling water is indeed great, the search for uses has been frustrated by the relatively low discharge temperatures, which range from a low of approximately 55°F during the winter months to a high of 95°F in late July. As a consequence, the water is of little value for most industrial applications, but may be sufficiently warm to stimulate biological processes. Possible applications considered in detail by Dr. Gillham included greenhouse heating and soil warming.

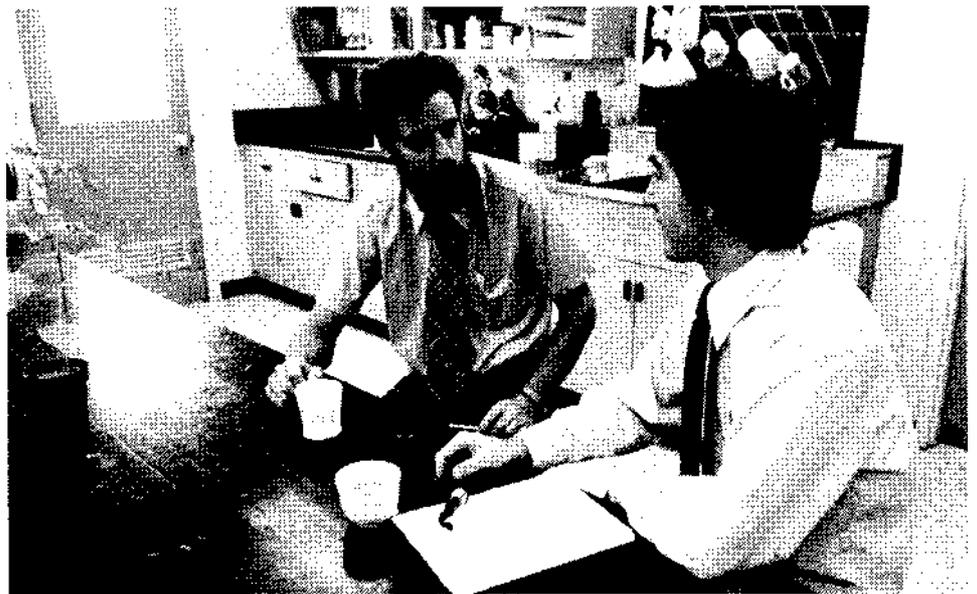
Current estimates suggest that greenhouse heating costs for the 1974-75 growing season could be in excess of \$20,000 per acre, approximately double the 1973-74 costs. The increased costs can only result in higher consumer prices, or the end of the Ontario green-

house vegetable industry. Dr. Gillham suggests that these unattractive alternatives might be avoided through the use of waste heat. As a result of the low temperature of the discharge water, conventional greenhouse heat exchange systems could not be used efficiently; however, heating systems in which the greenhouse air is circulated through a fine spray of warm water are being developed and encouraging results have been obtained in experimental greenhouses operating in Alabama and Alberta.

Several soil warming experiments have been conducted in which warm water was circulated through pipes buried in the ground. In general, the objectives were to increase yields, extend the growing season and advance the date of maturity. Based on the results of experiments in Oregon and Alabama it was estimated that soil warming could increase the yield of several horticultural crops by 30 to 40% and advance the date of maturity by two to three weeks. In studies conducted by the University of Minnesota, two crops of potatoes were grown in the same year on the same land area.

Although several of the utilization schemes examined during the study were shown to have considerable economic potential, they were, for the most part, capital intensive, requiring considerable confidence in future market conditions. Dr. Gillham emphasized that considerable research would be required to evaluate crop responses under Ontario conditions and to develop design criteria before the use of thermal discharge water could be recommended for commercial application.

Dr. Gillham is now a research assistant professor in the Earth Science Department at the University of Waterloo.



Professor Waffled Rauser, left, and Professor Roger Horton, of the Botany and Genetics Department relax after a lab in the course on Flowering: Morphogenesis, physiology and culture. The course which covers basic flower structure through floriculture in Ontario, is set up in 12 weekly modules of lecture-lab-discussion. Professor Horton spoke on physiological control of flowering. Next week's sessions which are open to interested people will be on the development and function of nectaries.

Job opportunities

New listing as of November 1.

Mail and Messenger Clerk, Communications. Salary grade 2, salary range \$95 — \$124.
Library Assistant, Document Coding, The Library. Salary grade 2, salary range \$95 — \$124.
Library Associate, LC Cataloguing, The Library. Salary grade 6, salary range \$137 — \$181.
Senior Accounting Clerk, Administrative Department, Auxiliary Operations. Salary grade 6, salary range \$137 — \$181.
Material Handler, Grounds Department. Starting rate \$3.36, six month job rate \$3.72.
Secretarial Assistant to the Concert Manager, Cultural Affairs. Salary grade 6, salary range \$137 — \$181.
Secretary to the Director, University Centre. Salary grade 4, salary range \$114 — \$151.
Secretary, Graduate Student Association. Salary grade 3, salary range \$103 — \$137.
Custodian 3, Housekeeping Department. Starting rate \$3.36, six month job rate \$3.72.
Equipment Serviceperson, Housekeeping Department. Starting rate \$3.40, three month job rate \$3.76.
Lead Hand Custodian 1 — 4. Housekeeping Department. Starting rate \$3.74, six month job rate \$4.14.

For further information please see bulletin boards or call Ext. 3058 or 3059.

PERSONALS

FOR RENT — HOUSING — Shared farm house in Rockwood from Nov. 15, Chris at 8186; 3-4 bedroom house on Lyon Ave., January—May, 824-3771; 3-4 bedroom house, unfurnished, from December, 821-9573; 3 bedroom house, furnished or unfurnished, from December, 3939; House, close to university, July and August, 822-2953; New 3-bedroom furnished house, from January, 822-0196; Furnished 7 room house Central location Jan. 1 — Aug. 1, 2766 or 822-1102; Large unfurnished 3-bedroom house in central location from Dec. 1, 821-9573.

FOR SALE — Older solid brick home (5 bedrooms, 3 bathrooms) June 1975, principals only, 822-2964; Completely renovated schoolhouse, 3 bedrooms, acre of land, 8554851.

FOR SALE — 16 mm. Bell and Howell sound projector, Smith-Corona portable typewriter Model Classic 12, 16 mm. Bolex with 4 lenses and accessories, 821-2398 or 3978; Cocker spaniel puppies, 821-1736; Admiral 20" b&w TV, 2238 or 821-2823; 150 gal. oil tank with 50 gal. furnace oil, 824-1773; Purebred, champagne, miniature poodle pups, Sue at 2615 or 824-0727; Corner desk, 2 wear-ever saucepans, electric frying pan, green mat, 2 pictures, dresses size 14-16, coat and skirt size 14-16, Electric rangette, 822-5106; 1972 Vega GT Hatchback, Doris 2564; Refinished antique dropleaf table, 843-2937; 1971 Volkswagen 411 sedan, 821-0691; '69 Pontiac Laurentian automatic, 2566; 3 frigs, indoor-outdoor carpet 13X12, box spring and mattress, Chris at 8186; 10 gal. aquarium, AM radio, 3610; Drapes, bedspreads, electric sterilizer with baby bottles, 10 ft. valance board, lamps, etc., 824-8492; G78-15 rims and snow tires, 822-3138; Gendron table tennis table, war cloud rocking horse, 822-2282; Midi-length winter coat size 9-10, grey fall coat size 9-10, orange fall coat size 9-10, brown fall coat size 7, 821-2822; 2 pr. men's Dr. Locke's shoes size 10½, clothing size 38-40, 822-2405; 6 drawer-dresser with mirror, 2 winter coats, 821-8754; Super 8 movie camera (1.9/9 — 27 mm) and projector (Eumig) and Kodak splicer, 821-8661; 2 shower curtains, rose bath mat set, 4 scatter rugs, drapes, curtains, 821-8482; 3 piece bedroom suite, 822-8701 or 822-7568.

MISCELLANEOUS— Flute lessons given by experienced professional musician, 821-1633; Wanted — accommodation during winter semester for 2 senior male students, 823-5782 or 824-8859; Wanted — Ford tot guard, 3517 or 821-8482; Free — puppies, Judy, 2552 or 821-2187; Young girl willing to baby sit, references, London Rd. area, Naomi, 823-5223; Wanted — hockey equipment, Chris at 8186; Typing in home, Stephanie, 823-5709; Typing, Evelyn, 2782 or 824-0373; Wanted — children's books and other primary level reading material to be used by retarded children, contact Anne Hostetter, 3942; Wanted — used potter's wheel, Kari at 843-4285; Lost — gold wedding ring, 824-9502; Lost — red and black lumber jacket in Waterloo-Dublin St. or Quebec-Gordon areas, Kari at 8434285; Disc jockey available for Christmas parties, etc., 822-1354; Wanted to rent — furnished bachelor or 1 bedroom apt. by female technician, Sheila at 2501; Wanted — used portable typewriter (pica type), 823-5592.

Move to University Centre

Five campus services and departments will be moving into the University Centre during the next week. Today and tomorrow, November 7 and 8, the Bursar's office, parking administration and telephone services are moving. The registrar's office will move over the weekend, and be open for business in the new location on Monday morning. The Department of Residences makes the move on November 11 and 12. Opening dates for the Whippetree Restaurant and The Keg, the pub, are not yet assured, although both are expected to open before the end of the month.

New series

Students will have an opportunity to learn how best to search for a job in a new series of noon hour programs given by the Department of Career Planning and Placement. The employment search program, presented each Monday and Thursday from 1 — 2 p.m. in Physical Science 121 for the rest of the semester, is a series of four audio-visual tapes, featuring interviews with employers, alumni and career counsellors. In addition to the tapes, workshops are held each week to discuss job hunting. Today's presentation deals with making a resume, Monday's (November 11) with where the jobs are and the letter of application. Next Thursday, the subject will be the job interview, and the following Monday, November 18, the tape will be on introduction to the employment scene and self-assessment.

Air travel plans

In the event that Air Canada pilots strike in late November and over the Christmas period, the University Travel Agency wishes to assure anyone with air tickets that every endeavour will be made to obtain alternative flights. If you wish to discuss your particular circumstances please contact? Lawson Travel, Level 1, University Centre, Ext. 8540.

Visitors to OVC

Two distinguished animal disease researchers recently visited OVC. Dr. B. Waksman of the Department of Pathology at Yale School of Medicine met with OVC faculty on behalf of the Rockefeller Foundation to discuss trypanosomiasis research being done in the Departments of Veterinary Microbiology and Immunology, and Pathology for IDRC. F.K. Neave of the National Institute for Research in Dairying visited Veterinary Microbiology and Immunology on behalf of the National Mastitis Council subcommittee on coliform mastitis to discuss the work being done at OVC. Mr. Neave, an OAC '33 graduate, with F.H. Dodd is a recipient of the Royal Agricultural Society medal for research into mastitis.

Symposium on Kant

To celebrate the 250th anniversary of the birthday of Kant the Department of Philosophy is sponsoring a symposium on his philosophy. On November 14 Hans J. Verwey, University of Notre Dame, Indiana, will be speaking on social contract among devils at 8:30 p.m. in Arts 119, and on the following day, from 9:30 a.m. to 12 noon in Arts 309, he will give part 2 on the same subject together with Michael F. McDonald, University of Waterloo, who will speak on Kant's conceptions of duties to oneself. From 2 to 4:30 p.m. in Arts 310, Professor T.C. Williams, Philosophy, will talk on Herder and Kant and Wolfgang Schwarz will discuss Kant's science of transcendental philosophy.

Obituary

Frederick William Hamilton, for 38 years a faculty member of the Department of Food Science until his retirement in 1962, died on October 21. He is survived by his wife, son William and daughter May.

Historian to visit campus

Owen Gingerich, professor of astronomy and the history of science at Harvard University, will speak to the Sigma Xi Club on November 19 to speak on the Copernican revolution: a modern reappraisal. Professor Gingerich, who is visiting the Physics Department, will give a new version of the events surrounding Copernicus' achievement, distinguishing between the cosmological and technical aspects of Copernicus' work, and showing how Tycho and Kepler developed a new awareness of physical reasoning in the 16th century. The lecture is at 4 p.m. in Physical Science 113.

New borrowing system

A reciprocal borrowing scheme designed to include all Ontario university libraries began November 1. Under the scheme, faculty, graduate students and professional staff in good standing from participating libraries will, on request, be issued cards allowing them to borrow material personally from all other participating libraries. Institutions participating initially will be Guelph, Lakehead, Laurentian, McMaster, Toronto, Trent, Western and Windsor. It is expected that others will join in the near future.

Full details are available from the Circulation Information Desk in the Library, or by calling Mrs. Virginia Gillham at Ext. 3605.

While this development will obviously place a very heavy burden on some libraries, the COU Board for Library Coordination has commended it as a major step forward in the cooperative use of Ontario's academic library resources. Regular interlibrary loan services will of course be continued for those who find them sufficient for their purposes.

Music for children

Faculty and staff members will be interested in classes in the Carl Orff method of teaching music to children. Under the direction of Margaret Hendricks, Mus. Bac., the classes for children 5 to 11 years old are held on Tuesdays from 4 p.m. at Chalmers United Church, 50 Quebec Street, based on the approach of composer Carl Orff. The method leads children to an early understanding of rhythm, form, melody and beauty of sound by allowing them to make up music themselves, right from the start, rather than learning through set teaching pieces. The children, working in a group, play instruments such as xylophones and glockenspiels, which are relatively easy to control. Speech and singing also play a major role. Anyone interested should contact Mrs. E. Ewing, 821-4076.

Children's literature lecture

The second in the English department's series of unusual lectures (the Third Program) will be on home and journey themes in children's literature. Professor Lesley Willis who will be teaching a credit English course in Children's Literature next semester will give the lecture tomorrow, November 8 at 12 noon in Arts 107.

Theatre Passe Muraille

"Them Donnelly's," the Theatre Passe Muraille drama centred around the bloody feuds involving the Donnelly family in Lucan, Ontario, in the 1880's, will be presented November 8 and 9 at 8 p.m. in War Memorial Hall. Tickets are \$3 general, \$2 students and senior citizens, available at Central Box Office, University Centre, Ext. 3950. Director Paul Thompson, who spent a great deal of time in the Lucan area, researching the stories and tales that have become legend, has conveyed the impression that at times the Donnelly's were a sorely-tried family.

Civic orchestra

The University of Guelph Civic Orchestra will give its first concert on Thursday, November 21 at 8 p.m. Conducted by Stanley Saunders, the university's director of music, the program will include Gluck, Haydn, Schubert and Milhaud. Tickets are \$2 general, \$1 students and senior citizens, available from Central Box Office in the University Centre. The concert will be at 8 p.m. in War Memorial Hall.

CUSO talk

Former CUSO volunteer Wayne Bennett will speak on campus, Thursday, November 7. Recently returned after two years in Uganda with the Canadian University Service Overseas, Mr. Bennett is presently regional CUSO coordinator for southwestern Ontario. He will talk about his experiences and the work of the organization at 7 p.m. at International House (Watson Hall). The meeting is open to all and it is hoped that anyone who might be interested in joining CUSO following graduation will be present. Former CUSO representatives in Asia, West Africa and Latin America will also be there.

Arts at noon

Music professor Derek Healey will speak on electronic music in the Arts at Noon series on November 13 in Arts 107. Examples from the pure electronic, live electronic and musique concrete works of Stockhausen, Berio, Subotnik and Cage will illustrate the lecture. Professor Healey will also demonstrate basic techniques on his AKS synthesizer. There is no admission charge.

Weather series

The seminar series on climate and climatic changes, sponsored by Land Resource Science continues tomorrow, November 8 at 11:10 with a talk on Canada's changing climate. Speaker Morley Thomas is director of the meteorological applications branch of the Atmospheric Environment Service in Downsview. On November 15 the seminar subject will be the world food supply situation and climatic change with agricultural economist T.K. Warley. Last in the series is Kenneth Hare, geography professor at the University of Toronto, who will speak on November 29 on the nature of contemporary climatic change. The seminars are held in Land Resource Science 229 and are sponsored by the agrometeorology section of the department.

Film on Tokyo

Tokyo with its sprawling, molten population bubbling away on a thin crust of the earth, is sometimes called Japan's fifty-first volcano. This city of sharp contrasts suffering the stresses and strains of an 11 million population, is the subject of the international film on Tuesday, November 12 at 12:10 in Arts 107. Admission is free.

Noon hour concert

Pianist Allan Schiller will give the Thursday noon hour concerts at 12:10 and 1:10 in Arts 107 next week, November 14. Now 31 years old, Mr. Schiller has been playing Mozart in public since he was 10. His debut was with the Halle Orchestra under Sir John Barbirolli. He now plays with all the major British orchestras. The first concert will include works by Mozart and Britten; the second concert will feature Beethoven and Chopin. Admission is free.

Weight losing program

Three nutrition majors from Family and Consumer Studies are running a weight reduction program during the winter semester. Anyone interested in joining should call 821-2491 or 821-2619.

Arctic lecture

An underwater view of the Arctic will be given by Joseph MacInnis tonight at his lecture at 8 p.m. in War Memorial Hall. Sponsored by the students council of the College of Biological Science, the lecture is free to students of the college, \$1 for everyone else. Dr. MacInnis was the first scientist to dive under the North Pole. He also established Sublimnos, Canada's first underwater manned station program. Tickets are available from Central Box Office or at the door.

Career interviews

A number of career planning and placement interviews will take place this week on Level 3 of the University Centre. On November 12 Campbell, Sharp, Nash & Field as well as Clarkson, Gordon & Company will be there to talk to those interested in permanent employment in chartered accountancy and on November 12, 13 and 14 the Public Service Commission will see students successful in the October 22 examination who are interested in becoming administrative trainees. On Wednesday, November 13 the North American Life Assurance Company will see students in all areas seeking permanent employment and on Thursday, November 14 Atomic Energy of Canada Limited will interview those students selected from the October 28 pre-screening. November 14 is also the application deadline for pre-screening for the Bank of Canada. Applications are invited from students graduating with a B.A. or M.A. in economics.

NEXT WEEK AT GUELPH

THURSDAY, NOVEMBER 7

Lecture - UNDERWATER ARCTIC, Dr. Joseph B. MacInnis, underwater explorer, 8 p.m., War Memorial Hall. Admission \$1.

Biology Hour - A BIOLOGIST LOOKS AT CHINA (illustrated), C.R. Harris, Canada Dept. of Agriculture, London, Ontario, 12 noon, Bot/Gen/Zoo 130.

Meeting - UNIVERSITY CENTRE BOARD MEETING, 8 p.m., University Centre 334.

Conference - ENTOMOLOGICAL SOCIETY OF ONTARIO, Arboretum Centre. Contact Prof. J.E. Laing, Environmental Biology. Continues to November 8.

Drama - LES BELLES SOEURS (in English), by Michel Tremblay, directed by Rex Buckle, 8 p.m., Drama Workshop, Arts. Continues to November 9.

Journey to Contemporary China - THE CHINESE AS PEOPLE, Miss Edith Knechtel, 8 p.m., Arts 114, \$2.50.

Thursday Noon Concert - FRANZPETER GOEBELS, piano, 12:10 and 1:10 p.m., Arts 107.

Exhibition - ALEX COLVILLE, paintings and graphics, McLaughlin Library, Continues to November 25.

Open meeting - PHILOSOPHY OR PSYCHOLOGY: WHICH IS MORE IMPORTANT?, 8 p.m. Arts 315.

Lecture - CUSO, Wayne Bennett, recently returned from 2 years in Uganda with Canadian University Service Overseas, 7 p.m., Watson Hall lounge.

TV - SPOTLIGHT ON UNIVERSITY OF GUELPH, Cable 8 at 6:15 p.m.

Meeting - INTER VARSITY CHRISTIAN FELLOWSHIP, 7:30 p.m., 9th floor Arts.

Worship - R.C. MASS, 12 noon, University Centre 319.

Party - INTER-BASH, sponsored by International Students' Association, 8 p.m. Macdonald cafeteria. Free to members, others 25¢.

Film - EMPLOYMENT SEARCH PROGRAM - THE RESUME, 1 p.m., Physical Science 121.

FRIDAY, NOVEMBER 8

Free Film - TREASURE OF THE SIERRA MADRE starring Humphrey Bogart, 8 p.m., Physical Science 105.

Drama - THEM DONNE LLYS, Theatre Passe Muraille, 8 p.m., War Memorial Hall. Tickets \$3. general, \$2. students, Continues to November 9.

Lecture - CANADA'S CLIMATES ARE CHANGING, Morley Thomas, Atmospheric Environment Service, 11:10 a.m., Land Resource Science 229.

Colloquium - SOME LABORATORY ADVENTURES IN ESCAPE BEHAVIOR OR RATS CAN BE PRETTY PUSHY UNDER SHOCKING CIRCUMSTANCES, Prof. H. Davis, Psychology, 12 noon, Arts 121.

The Third Program - HOME AND JOURNEY THEMES IN CHILDREN'S LITERATURE, Prof. Lesley Willis, 12 noon, Arts 107.

Seminar - ENERGY METABOLISM OF BEEF CATTLE, animal scientist W.M.

Garrett, U. of Calif., 12 noon, Animal Science/Nutrition 204.

Exhibition - W.H. COVER DALE COLLECTION OF CANADIANA, opens 4:30 p.m., Arts 132, continues until Dec. 1.

Worship - MUSLIM JUMA PRAYER, 1 p.m., Arts 313.

TV - SPOTLIGHT ON UNIVERSITY OF GUELPH, Cable 8 at 5 p.m.

SATURDAY, NOVEMBER 9

Worship - MAGHREB PRAYERS AND QURANIC DISCUSSION, 6 p.m., 9th floor lounge, Arts. Open to all.

SUNDAY, NOVEMBER 10

Cine Series - THE DAY OF THE JACKAL starring Edward Fox, 7:30 p.m., War Memorial Hall. Admission \$1.

Worship - PUJA sponsored by the Hindu Cultural Society, 11 a.m., 8th floor lounge, Arts; R.C. MASS, 11 a.m., War Memorial lounge; ANGLICAN & UNITED EUCHARIST, 11 a.m., Chapel, 5th floor, University Centre.

MONDAY, NOVEMBER 11

Lecture - CHEMISTRY AND THE ENVIRONMENT, Prof. S. Safe, Department of Chemistry, 1 p.m., Physical Science 113. Open to all; bring your lunch.

Woman's Hour - INFORMAL DISCUSSION, 12 noon, Arts 116.

Lecture - THE ROLE OF THE THIRD PARTY IN PARLIAMENT, David Lewis, leader of the New Democratic Party, 8 p.m., Physical Science 113.

Film - EMPLOYMENT SEARCH PROGRAM - JOB LOCATIONS, STRATEGIES; THE LETTER OF APPLICATION, 1 p.m., Physical Science 121.

Worship - REMEMBRANCE DAY SERVICE, 10:55 a.m., War Memorial Hall.

TUESDAY, NOVEMBER 12

International Film - JAPAN, 12:10 p.m., Arts 107.

Hockey - WATER LOO at GUELPH, 8 p.m., Memorial Gardens.

Heritage series - THE CRAFTS OF EARLY ONTARIO, Una Abrahamson, 8 p.m., Physical Science 105, \$2.50.

Seminar - FROM RUSSIA WITH ELECTRO CHEMISTRY: IMPRESSIONS OF A VISIT, Prof. W.R. Fawcett, Chemistry, 4 p.m., Physical Science 113.

Meeting - DISCUSSION-FELLOWSHIP GROUP, sponsored by Chaplain Remkes Kooistra, 8 p.m., 9th floor lounge, Arts. All invited.

WEDNESDAY, NOVEMBER 13

Arts at Noon - MUSIC AND THE SYNTHESIZER, Music Prof. Derek Healey, 12:10 p.m., Arts 107.

Third World Film Series - END OF A DIALOGUE, (South Africa), 8 p.m., Textiles 205. Admission 50¢.

TV - THE OLDER WOMAN, Prof. Margret Andersen, last in her University of the Air series, 6 a.m., Channel 13 or Cable 2.

Three Faces of Man Series - THE MAN OF IDEALS, Prof. A.H. Brodie, 8 p.m., Guelph Public Library, \$3.

Meeting - UNIVERSITY OF GUELPH HOMOPHILE ASSOCIATION, 8 p.m., 9th floor lounge, Arts.

Meeting - CAMPUS CHRISTIAN FELLOWSHIP, 8 p.m., Arts 312. All invited.

Worship - ANGLICAN & UNITED EUCHARIST, 12 noon, Chapel, 5th floor, University Centre.

Course - APL FILE HANDLING, Miss W. Alford, 1:30 -4:30 p.m., Computer Science 212, Call Ext. 3046 to register.

THURSDAY, NOVEMBER 14

Biology Hour - THE CATTALO (BISON X COW), GENETICS AT WORK, Prof. P.K. Basrur, Biomedical Sciences, 12 noon, Bot/Gen/Zoo 130.

Thursday Noon Concert - ALLAN SCHILLER, piano, 12:10 and 1:10 p.m., Arts 107

Kant symposium - SOCIAL CONTRACT AMONG DEVILS, Hans J. Verweyen, University of Notre Dame, the first in a series of talks given in Philosophy Dept., (continuing until tomorrow) 8:30 p.m., Arts 119.

Film - EMPLOYMENT SEARCH PROGRAM - THE INTERVIEW, 1 p.m., Physical Science 121.

Film - WALK UPHILL, Intervarsity Christian Fellowship, 7:30 p.m., 9th floor Arts.

Journey to Contemporary China - AGRICULTURE IN CHINA, Prof. T. Phillips, Agricultural Economics & Extension Education and his wife, graduate student Michelle Phillips, 8 p.m., Arts 114.

Worship - R.C. MASS, 12 noon, University Centre 319.

TV - SPOTLIGHT ON UNIVERSITY OF GUELPH, Cable 8 at 6:15 p.m.

FRIDAY, NOVEMBER 15

Kant symposium - SOCIAL CONTRACT AMONG DEVILS II, Hans Verweyen, KANT'S CONCEPTIONS OF DUTIES TO ONESELF, Michael McDonald, U. of Waterloo, 9:30 - noon, Arts 309; HERDER AND KANT, T.C. Williams, KANT'S SCIENCE OF TRANSCENDENTAL PHILOSOPHY, Wolfgang Schwarz, 2 - 4:30 p.m., Arts 310.

KEEP THESE DATES (tickets available at Central Box Office)

November 20 - THUNDER (by Drama Department)

November 20 - LE ROI SE MEURT

November 21 - U. of G. ORCHESTRA

November 27 - U. of G. CHOIR

November 28 - TEN LOST YEARS

The News Bulletin is published every Thursday by the University of Guelph's Department of Information. News items must reach the editor, Mrs. Ann Middleton, Information Office, Room 361, McLaughlin Library, in writing by noon Friday. Articles and news items may be quoted or reproduced in full.



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