

NEWS BULLETIN

UNIVERSITY OF GUELPH

Vol. 19 No. 6

February 6, 1975

Winter carnival only needs snow

Unigoo winter zoo is the theme of this year's winter carnival. It has not been made clear whether the human zoo or the animal snow sculptures are meant. However, events get off with a bang next Wednesday with the John Dean lecture at 8 p.m. in the University Centre. On Thursday snow sculpture building on the front campus, and a ski party are planned at dairy bush hill at 8 p.m. Warm-up after at the HAFA pub to be held from 8 p.m. in University Centre 001.

Plans for Friday include further snow sculpting with a hot dog and hot chocolate lunch at noon in front of Johnston Hall, winter games at 7 p.m. in the stadium and a winter games wrap up afterwards in the Gryphon Room (10 p.m.) Also scheduled that night are a basketball game at 8 p.m. with Guelph taking on Windsor, a free film in Physical Science 105, also at 8 p.m., Susie-Q dance in University Centre 001, an all-night disco in the Bullring from 1 a.m. until who knows when.

On Saturday the snow sculptures will be judged. There will be a hot dog roast and toboggan party from noon until 3:30 p.m. in the Lennox-Lambton area. Last event of the weekend is the Ike and Tina Turner concert at 8 p.m. Sunday evening in the gym with admission of \$5.50.



Gloomy financial picture

Drastic measures needed to balance 76-77 budget

The bad news outweighed the good in President W.C. Winegard's talks to University of Guelph faculty and staff last week. For most of the 30 minute session, the president discussed the gloomy financial picture the university will face this coming year, and the even more dismal one facing Guelph in 1976-77.

Dr. Winegard began by saying that Guelph is better off for the coming year than most Ontario universities, but in the 1976-77 budget year, we will have to take some drastic measures to balance the budget — measures already being taken by other provincial universities.

Warned four years ago

"Four years ago," said Dr. Winegard, "we began to warn you of tough times ahead and that we would have to tighten our belts.

"I urged the colleges to avoid appointing too many tenured and probationary faculty, to hold that number to 80 per cent in order that we would have some ability to absorb the shocks."

The president also pointed out that the proportion of funds going to the colleges has been increased each year resulting in improved academic programs. The university has also, over the last few years, restricted growth in the support divisions resulting, said the president, in decreased levels of service, and "this decrease will continue for the next two years."

Year of grace

These measures, along with good financial management, said Dr. Winegard, will give us a year of grace compared to some universities.

As far as the financial situation is concerned, the university finished 1973-74 with a total reserve of \$3.5 million. This year, \$1.5 million of that reserve had to be committed to the budget. The 1975-76 budget presently under review will see expenditures exceed income by \$1.5 million, leaving a reserve of only \$500,000 by the end of 1976.

Cut \$1.6 million

For the coming year, the university had to cut \$1.6 million from the original estimates, said the president, in a number of ways:

- there will be no increase in travel, supplies or equipment expenditures, resulting in a saving of \$500,000;
- an anticipated increase of \$150,000 to \$175,000 for the library has been removed;

- anticipated increases in faculty and professional staff positions will be removed, saving \$600,000.
- expenditures for major renovations will be held to \$180,000 resulting in a \$300,000 saving;

Utilities increase "staggering"

The only increases planned in the new budget, said Dr. Winegard, will be for utilities, which will increase at a "staggering" rate, and for salaries and wages.

As for the 1976-77 situation, the president predicted that "the best we can hope for is provincial funding at the general level of inflation."

Money will be "people money"

"We will have to cut \$1 million from expenditures before we even begin to build the budget, and that money will be people money."

The president estimated that three to five per cent of positions will have to be removed from each college or division.

"I hope, and believe," he said, "that those cuts can be made without taking full time tenured, probationary, or permanent professional or support staff. I am sure it can on the faculty side, but it may be more difficult on the staff side, particularly since we have been hurting them already."

No let-up

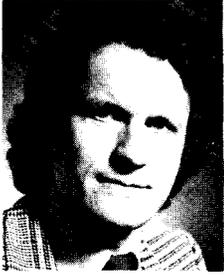
Speaking about the future generally, president Winegard predicted no likely let-up in the tight finances facing universities. He said that the feeling in the legislature is that we (the universities) cost too much money, and we have too much program duplication between universities, too many courses with too few students, the student-faculty ratios are too low, and that teaching contact hours are too low.

"The government is prepared to sacrifice some research for teaching," he said. "It is likely we will have to accommodate the desires because of financial pressure."

In the 1960's the universities expanded rapidly and did the job they were asked to do, said the president, but "as the 70's began, the bloom started to come off the rose.

"We are moving to a new lower base, but the trouble is that we haven't a clear picture of that base and we must press the government for that information."

APPOINTMENTS



Dr. Barry M. Millman has joined the Department of Physics as full professor. He received his B.Sc. degree in honors physics from Carleton University in 1957 and won the Governor-General's medal. Under an Imperial Oil Company graduate fellowship he completed his Ph.D. in biophysics from King's College, University of London, in 1963. From 1961-66 he did research on the structure of muscle as a member of the scientific staff of the British Medical Research Council, Biophysics Unit, at King's College. He was the founding chairman of the Department of Biological Sciences of Brock University from 1966-74. His present research, which is supported by the National Research Council, is on the structure and function of muscle, particularly the changes in the molecular structure of muscle on contraction as studied by X-ray diffraction.



Dr. T.F. Herrmann has now joined the Department of Psychology on a permanent basis as assistant professor. He received his B.Sc. from SUNY SUC Brockport, Brockport, New York in 1969 and his Ph.D.

degree from the University of Tennessee, Knoxville, Tennessee, in 1973. He was a National Institute of Mental Health comparative and physiological trainee from 1972-73. Before coming to Guelph he was a teaching and training assistant in the Department of Psychology, University of Tennessee.



Frederick William "Bill" Beamish, a member of the zoology faculty since 1965, is the new chairman of the department. Dr. Beamish, a specialist in fisheries research, came to Guelph from the Fisheries Research Board

of Canada in St. Andrews, New Brunswick. He is a graduate of the University of Toronto where he received his B.A. in biology and his Ph.D. in zoology, winning the E. Cox Gold Medal in Science. Dr. Beamish is a member of the American Fisheries Society, the Canadian Society of Zoologists, the Institute of American Fisheries Scientists, the Canadian Committee of Freshwater Fisheries Research and secretary of the Ontario Committee of University Biology Chairmen. He has published papers in his area of research.



David Milne makes out \$200 cheque from the Student Federation of the College of Arts as a donation to the university's London House, with Professor George Todd looking on. Professor Todd says the money will be used to buy furniture for the four floor house which is used as headquarters for the College of Arts winter semester in London.

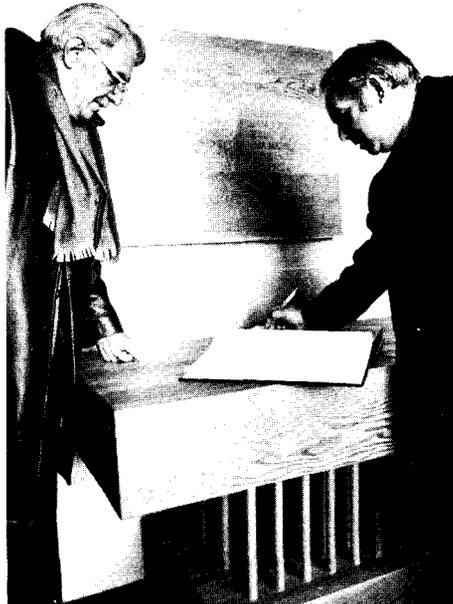
Guelph London house

Guelph-London House at 105 Albert St. Camden Town, London, England, was purchased by the university last summer. Just before Christmas central heating was installed to make the house livable for Canadians who like their indoor winter heat a little higher than the outside temperature.

At present the house is inhabited by two faculty families and several students. Professor Carole Stewart is coordinator of the London semester. The Stewarts occupy one flat, while the second is occupied by economics professor J.J. McRae and his family. The students

occupy a maisonette — comprised of single and double bedrooms with a common living room and kitchenette.

Any University of Guelph personnel or students can use London House when rooms are available. Professor Todd says there will be single and double rooms available from mid-April until the third week in August. The ground floor apartment may be available for July and August and the basement apartment for August. Both apartments have two bedrooms. Rents vary from £ 10 a week for a single room with kitchen facilities to £ 35 a week for the larger apartment. Anyone interested in renting accommodation should contact Professor Todd at Ext. 3885.



John Bradshaw visits Arboretum

Radio personality John Bradshaw signs the guest book in the Arboretum Centre with Professor Robert Hilton looking on. Mr. Bradshaw, who often does radio shows from the University of Guelph campus, presented a check for \$500 to the Arboretum on behalf of Meadowvale Botanical Gardens, of which he is chairman of the board. The money will be used for buying overseas species which are unavailable locally. In the background is the plaque designed and carved by Erich Barth, director of art for the Department of Information, to commemorate the opening of the building in OAC centennial year.

'Movement is life' symposium topic

"Movement is Life" is the theme of this year's Human Kinetics Symposium, presented by students of Human Kinetics and the student's council from the College of Biological Science. All three sessions of the symposium, which is scheduled for Friday and Saturday, February 14 and 15, feature an interdisciplinary approach to human movement patterns through growth and development.

Speakers from all over Canada will discuss the role of their particular discipline in relation to the main theme. The main speakers, February 4 will be Dr. Donald Bailey from the University of Saskatchewan at 1:20 p.m. on Physical Fitness — are Canadians really so bad? and Frank Kershaw, Metropolitan Toronto Parks coordinator at 2:30 p.m. on exercise trails and physical fitness as it relates to the regional park user. John Hassell of Outward Bound Canada, Vancouver, will be guest speaker at the dinner-dance that evening.

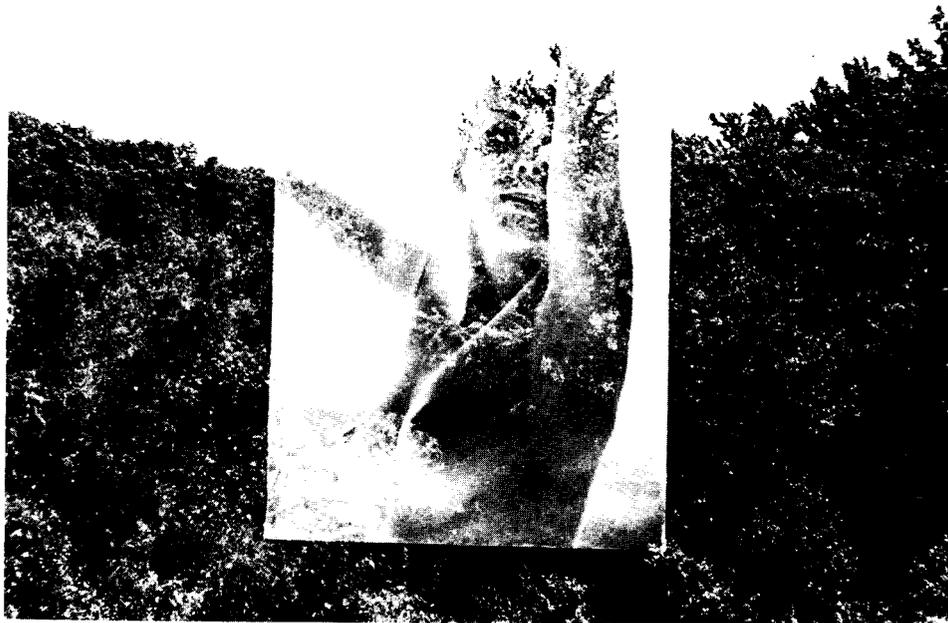
Professor John T. Powell will lead off the Saturday morning session with a discussion about age. Dr. J. Lord of Dalhousie University will talk about perceptual motor development: assumptions for growth, and Dr. Griffith Morgan, director of the Centre for Educational Disabilities, will speak on confidence and control. Luncheon will be followed by a tour of the Human Kinetics building.

Three speakers, talking on widely different topics, will round off the symposium. James Montagnes of the Penetanguishene Mental Health Centre will begin with a talk on destructive and non-destructive use of movement in regard to mental health. Dr. Ian Williams of the University of Waterloo will discuss knowledge of results and implications for learning, and Cor Westland, Recreation Canada will be the final speaker and will explore sociological aspects of leisure time.

The cost for the two-day symposium is \$10. It is also possible to register for single lectures, at \$3 a lecture, or for a variety of the events. Preregistrations should be made in order to guarantee a seat, and must be submitted by the date for preregistration February 7. Brochures are available at the Human Kinetics main office, Central Box Office or by phoning 821-3504.

One act plays

Drama students will present two one act plays from February 12-14 in the Drama Workshop. Harold Pinter's *The Lover* will be directed by Nancy Cohn and Michael McClure's *The Beard* will be directed by Keith Perrin. The paradoxical play by Pinter and the sensual play by McClure promise a thought-provoking as well as an entertaining evening. Curtain time is 8 p.m. with tickets available at the door or in advance from Central Box Office for 50¢.



Harry Callahan's untitled 1965 photograph is part of the Contemporary Photography exhibition which opens in the library on Saturday.

Photographic exhibition in library

An exhibition of 50 master photographs surveying photography since 1950, opens on the main floor of McLaughlin Library on Saturday, February 8.

The collection, from George Eastman House in Rochester, New York, deals with the photographer as he relates to a social environment and to a personally derived environment. In examining both, emphasis has been placed on the individuality of the photographer as a statement maker. The exhibition explores a variety of approaches and points of view.

Included in the show are photographs by Diane Arbus, Bill Brandt, Harry Callahan, Robert Frank, Duane Michals, Danny Lyon, Aaron Siskind, Jerry N. Uelsmann, Minor White and others.

Fine art chairman, T. Tritschler, will give two lectures on photography in connection with the display. On February 12 he will speak on *The Perfect Photograph*, and on February 19 on *Repetition, Spice, Life or the Story of the Photograph*. Both talks will be given in Arts building 107 at 12:10 p.m.

The exhibition continues to February 27.



Thomas Austin, right, an M.Sc. student in Pathology working on the hair seal was awarded the \$600 Ayerst Laboratories fellowship. The presentation was made by Leo Conway, marketing manager of the Veterinary Division of Ayerst Labs.



Representatives of the Ontario Association of Animal Breeders were on campus last week to present the first instalment of a \$35,000 grant for research to the Department of Animal and Poultry Science. From left, Roy G. Snyder, secretary manager of the OAAB, and John McDougall, vice-president and chairman of the research committee, are shown with department chairman, Professor W.D. Morrison. A \$3,000 scholarship to a Ph.D. student studying animal reproduction or breeding is given from the grant and the remaining \$32,000 is used for research within the department. OAAB also made a \$1,000 grant to Prof. N.A. Fish, Vet. Micro & Immunology for research into the flora and sensitivity pattern of micro-organisms in bovine semen.



Mr. and Mrs. W. H. Carr were on campus during the OAC Agriculture '75 Conference to present the William Park Carr and the Samuel Leister Carr scholarships, the only awards for OAC graduates farming after finishing their degree or diploma. Both awards are made from the estate of Mr. Carr's brother Leister, a diploma student in 1915 until he went to fight in the first world war. The William Park Carr scholarship (named in honor of the father of the two Carr brothers) was awarded to Lynn Wilkinson, right, a diploma graduate who is farming near Creemore. David Marshall, former president of the OAC Student Federation, won the Samuel Leister Carr award which he will use on his farm at Kirkton. The annual awards for \$1500 each are the largest single OAC undergraduate awards.

Job opportunities

Host/hostess, Whippetree Restaurant, Food Services. Starting rate \$3.54, three month job rate \$3.92.
Accounting clerk, Accounts Payable. Salary grade 3, salary range \$103-\$137.
Press operator, Central Printing and Duplicating. Salary grade 6, salary range \$137-\$181.
Reception/dispatch clerk, Computer Operations. Salary grade 2, salary range \$95-\$124.
Secretary, University Centre, Programming Officer. Salary grade 3, salary range \$103-\$137.
Secretary, University Centre, Administrative Officer. Salary grade 3, salary range \$103-\$137.
Qualified cooks, Whippetree Restaurant, Food Services. \$3.86-\$4.67.

Custodian 1, Housekeeping Department. Starting rate \$2.86, six month job rate \$3.18
Custodian 3, Housekeeping Department. Starting rate \$3.36, six month job rate \$3.72.
Interviewer, Psychology Dept., must be experienced, survey for L.Wood, Ext. 2164.
Research assistant, Nutrition Dept., Ph.D. or M.Sc., research in nutrition and biochemistry particularly related to lipids in foods, apply with c.v. and names of 3 references to Dr. J.C. Alexander, Nutrition Dept.

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

New literary journal

Canadian Children's Literature, a new quarterly devoted to analysis, criticism and review of books for Canadian children, will have its headquarters at the University of Guelph when the first issue comes out this spring. Associate editors are all members of the English Department: Mary Rubio, Glenys Stow and Elizabeth Waterston. Professors Stow and Rubio both give courses on children's literature.

The editor of the new publication is Bob Sorfleet who is presently visiting lecturer in Canadian Studies at the University of Maine. Among the members of the advisory editorial board are Pierre Berton, Guelph children's writer Jean Little, Farley Mowat and Thomas Raddall.

Canadian Children's Literature is meant to serve those who guide children's reading — teachers, librarians and parents. It will provide in-depth reviews of Canadian children's literature in the areas of science, drama, poetry, fiction, history, music, art, texts, picture books, etc. It will also be concerned with aids to teaching, analysis of authorial values and bias and essential criticism. An annual bibliography of Canadian children's literature will be a feature of the publication.

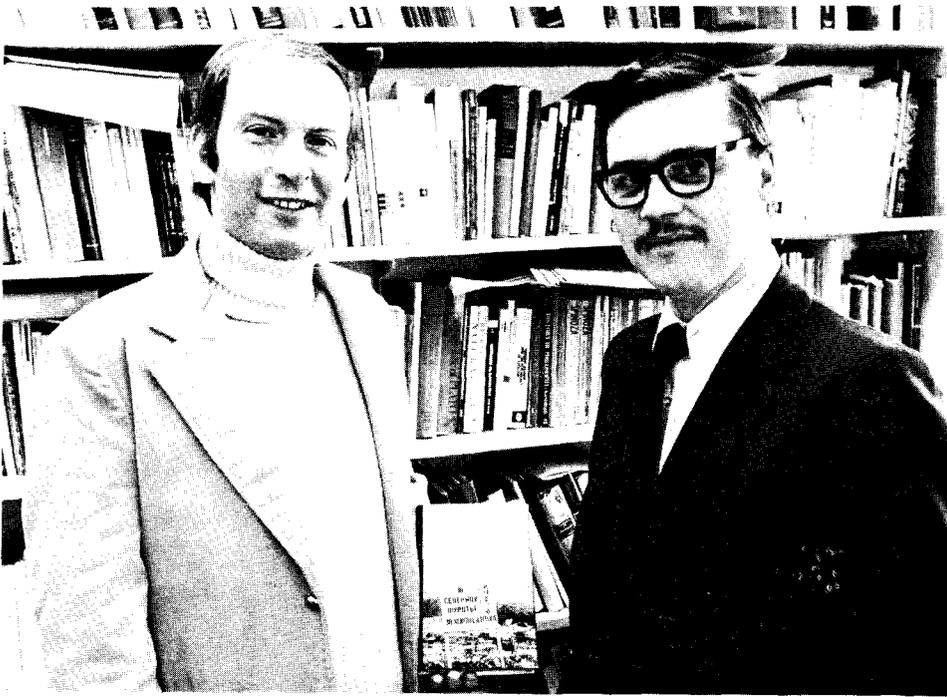
A one year subscription is \$9, three years \$25 with a special annual rate of \$7 for students. A single issue is \$2.50 and a bargain if you're young enough is the \$100 lifetime subscription. The address is Box 335, Guelph.

PERSONALS

FOR SALE — Complete darkroom outfit, almost new, Ron, 821-1394; Antique walnut double pedestal dining room table, Ann, 3391; Ladies' two-piece medium Mercury snowmobile suit, 821-8526; Vacuum cleaner, double mattress, push lawnmower, 821-5384; Splitkeir special 210 cm light touring skis, size 11 boots, poles etc., 822-7005; Mazda RX3 still on warranty, 1-853 1293.

HOUSING — For rent — Furnished house, May 1, 1975 for 15-24 months, 821-7929; 3 bedroom bungalow, walking distance to university, April 1, 1975 for at least 1 year, Mrs. Haayen, 822-5290; 3-4 bedroom house to sublet May 1, 1975, can take over lease in August, Mike, 824-6272; 2 bedroom apartment on Cedar St. to sublet from March 15, 824-9835; 2 bedroom apartment available immediately, 821-0617; Furnished 1 bedroom apt. to sublet, walking distance to campus, May-August, 3176 or 824-0952; Furnished four bedroom house with den, on Lyon Ave., 6 months from July 1/75 to Jan 1/76, 2512 or 824-2845; For sale — 3 bedroom house with heated pool, 2 baths, rec room, near June Ave. school, 3978 or 821-2398.

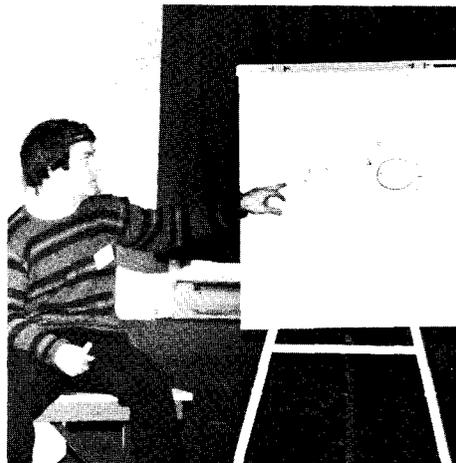
MISCELLANEOUS — Wanted—babysitter, university area, for 2 children preferably student wife with preschooler, 821-1014; Captain's bed in good condition wanted, 824-4443; 2 part Siamese kittens 7 wks. old free, 3467 or 824-9562; Wanted — pr. Hexcel downhill skis, 210-215 cm, Doug at 821-5871 or 3020; Engraved gold wedding band found in Bank of Commerce Jan. 23, 856-9781; Skates wanted, man's 11-12, woman's 7-8, 3577 or 822-0498; Frig wanted, 8582 or 821-7844.



Political studies professor Robert Simmons, left, is shown here holding a copy of his recently published book *The Strained Alliance*, with Professor Patrick Kyba, acting chairman of the Political Studies Department. The book is the first full-length analysis of the communist alliance in the Korean War. Utilizing recently declassified US Army intelligence files and translations of daily radio broadcasts from China, Russia and North Korea between 1950 and 1953, Professor Simmons suggests that the outbreak of war did not find the United States totally dismayed and unprepared. He says Washington in fact regarded it as a serendipitous means of affirming its cold war military posture and budget. *The Strained Alliance* is published by Macmillan-Free Press.



Heidi Higgon and David Houghton, left, at leadership conference. Right picture shows John Messenger, director of Student Affairs in communications session.



Conference on student leadership

Student leadership was the subject of two conferences arranged by the Family and Consumer Studies and Hotel and Food Administration Student Administrative Councils. An awareness of a gap in leadership development for students led to the first conference held last September, which was followed up recently with a second meeting at the Arboretum.

At the follow-up, two student representatives from each year and club in the College of Family and Consumer Studies plus members of FACS and HAFA students' councils took part in lectures and discussions designed to improve their communications and problem solving skills. Faculty and staff from the

college were joined by Cora Dusk, secondary school liaison officer, John Messenger, student affairs director and Nancy Sawyer, Mac-FACS alumni president, in taking part in the program.

Dean Janet Wardlaw, recently back from a year's sabbatical, said how pleased she was to find the students initiating these leadership conferences. "One of the important aspects of involvement in student organizations and government is the development of leadership potential," she said.

The conference was coordinated by FACS-SAC president Brenda Elias and Lorraine Lucheski.



Former presidential counsel John Dean, the man who exposed the "plumbers" and also the conspiracy set up to cover their crimes, will speak on campus on February 12 at 8 p.m. in the main activity area, level 0 of the University Centre. Convicted for his role in executing the administration's policies, Dean was sentenced to between one and four years in prison, but released after six months for good behavior. He will speak for half an hour, and answer questions for another hour and a half.



Bob McClure, former United Church moderator, and medical missionary will speak on Canada and the developing countries at 8 p.m. on February 17 in War Memorial Hall. Dr. McClure will draw on his many experiences in India and Asia as a medical missionary in China from 1923 until 1949, he spoke Chinese before English (he was brought up in China where his father was also a medical missionary and professor of internal medicine). When forced to leave China, Dr. McClure spent some time in Palestine, then in 1954 went to India. He was moderator of the United Church in 1968-69, and then again left the country, this time at the age of 71 to spend two and a half years as chief surgeon in a hospital in Sarawak, Malaysia. He describes the former head-hunters of Borneo as now "the most peace-loving, placid men in the world."

FACULTY ACTIVITIES

Avrum Miller, career counsellor in the Department of Career Planning & Placement, was guest lecturer at a course on the dynamics of career development at Sir Wilfrid Laurier University. His topic was occupations.

Andre Auger, director of the Department of Career Planning & Placement, attended a professional development conference in California as guest of the American College Placement Council.

Professor J.C. Cairns, director of the Center for International Programs, recently participated in the Quarterly Meeting of the board of directors of World Literacy of Canada held in Toronto.

Professor Richard W. Phidd, Political Studies, attended an inter-university symposium on public administration held at the University of Western Ontario.

Professor Clare A. Gunn, Landscape Architecture, presented a paper on beautifying your roadside market at the 15th Annual Ohio Roadside Market Conference at Ohio State University, Columbus. Professor Gunn, together with **Professors Richard R. Forster**, Landscape Architecture, and **William B. Braithwaite**, Agricultural Economics, participated in a two-day session of the Ontario Recreation Society in Ottawa.

Professor Margret Andersen, Languages, spoke to faculty and students at Trent University on women in the humanities. She also spoke to the Peterborough Division of the Ontario Secondary School Teachers' Federation on educating Canadian girls and women.

Professor E.C. Hunt, Animal and Poultry Science, has been designated extension coordinator for the Department of Animal and Poultry Science, effective immediately.

Professor Griffith Morgan, director of the Centre for Educational Disabilities, participated in an invitational conference at Banff devoted to study of the development of comprehensive family and educational services for the young handicapped child. The conference drew delegates from medical, social and educational services and followed up the work of a study group established by the National Institute of Mental Retardation last January, to which Dr. Morgan contributed.

Professor B. Hartwick, Zoology, presented a seminar at Simon Fraser University on predation, theory and the ecology of marine rocky shores.

Professor Elizabeth Waterston, English, gave the concluding address at Focus on CanLit, a conference of the Ontario Council of Teachers of English held at Glendon College. The title of her speech was Historical Overview. She also spoke recently at a Canada Day session at Woburn Collegiate, Scarborough.

Professor E.M. Watkin, Crop Science, presented a paper on vegetation studies on sulphide and slag tailings to the 1975 Canadian Mineral Processors' Annual Meeting in Ottawa.

Professors R.A. Willoughby, Clinical Studies, and Robert Kahrs of Cornell University presented a three-hour seminar on respiratory diseases of cattle at the annual conference for veterinarians held at Cornell's Ithaca campus. Professor Bruce Robb, Clinical Studies, and Dr. Grant Spearman, Pathology, also attended the conference.

Professor J.D. Gordon, Computing Science, was guest speaker at the latest meeting of the local chapter of the Canadian Information Processing Society. He spoke on program development and the use of the COBOL language. Professors C.K. Capstick, R. George and A. Salvadori also attended.

Professor Hugh Ayers, Engineering, is acting extension coordinator for the School of Engineering until July while Professor Ross Irwin is on leave.

Professor Tom Lane, Land Resource Science, spoke at the Pork Producer's Conference in Peterborough recently and at the continuing education in agriculture course for inexperienced farmers in Toronto, St. Catharines and Guelph.

Professors T.B. Daynard and D.J. Hume, Crop Science, spoke on various aspects of crop production at a recent meeting of the Dufferin County Soil and Crop Association.

Professor O.E. Hatley, Crop Science, spoke on protein production at a recent meeting of the Middlesex County extension office. He also spoke at a meeting of the United Cooperatives of Ontario in Oshawa.

Professors K.R. Stevenson and N.C. Stoskopf, Crop Science, spoke at the Quinte Area Farmers' Week.

Professors G.W. Anderson, B.R. Christie, T.B. Daynard, O.E. Hatley, D.J. Hume, E.E. Gamble, L.W. Kannenberg, K.R. Stevenson, N.C. Stoskopf, J.W. Winch and W.S. Young, Crop Science, presented papers and chaired sessions at the OAC Agricultural Conference '75 on campus. Professor L.W. Kannenberg and Dr. W. Leask, Crop Science, attended the annual Corn and Sorghum Research Conference of the American Seed Trade Association in Chicago, Illinois.

Professor D.W. Stanley, Food Science, has been appointed editor of the Canadian Institute of Food Science and Technology Journal. He also spoke at the Ridgeway College of Agricultural Technology on the subject of plant proteins and foods of the future, presented a paper on new foods at the professional engineering day in North Bay, and was speaker at a meeting of the Western New York Conference of the Association of Food and Drug Officials in Buffalo.

PUBLICATIONS

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Safe, S., O. Hutzinger and D. Ecobichon, 1974. Identification of 4-chloro-4'-hydroxybiphenyl and 4,4'-dichloro-3-hydroxybiphenyl as metabolites of 4-chloro and 4,4'-dichlorobiphenyl fed to rats. *Experientia* 30: 720-721. (Chemistry)

Hutzinger, O., S. Safe and V. Zitko, 1974. Preparation, gas chromatographic behaviour and spectroscopic properties of hydroxylated chlorobiphenyls. *J. Ass. Office. Anal. Chem.* 57: 1061-1067. (Chemistry)

Graham, Kenneth W., 1975. *Vathek* in English and French. *Studies in Bibliography* 28: 153-166. (English)

Herold, E.S. and M.E. Foster, 1975. Changing sexual references in mass circulation magazines. *The Family Coordinator*. 24 (1): 21-26. (Family Studies)

Kasha, K.J., 1975. Haploids from somatic cells. Haploids in Higher Plants - Advances and Potential p. 67-87. (Crop Science)

Bullock, D.H., D.A. Biggs and D.R. Arnott, 1974. Examination of official measurement tolerances for Ontario's farm milk tanks. *J. Milk Food Technol.* 37: 633 (Food Science)

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Burka, J.F. and P. Eyre, 1974. The immunological release of slow-reacting substance of anaphylaxis from bovine lung. *Can. J. Physiol. Pharmacol.* 52: 1201-1204. (Biomedical Sciences)

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Rieger, B.A., and J.L. Eggens, 1974. Tillering response of Kentucky bluegrass and annual bluegrass to TIBA. *Proc. Second International Turfgrass Research Conf.* 390-398. (Horticultural Science)

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Chang, F.Y., G.R. Stevenson, G.W. Anderson and J.D. Bandeen, 1974. Control of wild oats in oats with Barban plus antidote. *Weed Science* 22: 546-549. (Environmental Biology and Crop Science)

WUSC sale

A sale of craft items sponsored by WUSC of Canada will take place February 18 through 21st in the University Centre. The sale, a part of international week, is designed to stimulate interest in the cultures and crafts of the developing world. Volunteers are needed to help with the sale. Anyone interested should contact Heather Fuller Ext. 3953.

News bulletin ads

The News Bulletin runs personals on items for sale, housing and miscellaneous whenever space is available. This service is free and only for members of the university community. Items should be submitted in writing to the office of the News Bulletin, Department of Information, fourth floor, University Centre, with the name of the sender, and his connection with the university (eg. student, staff etc.). Due to space limitations personals are often shortened, and do not include prices or such information as "call after 5."

Convocation

More than 300 degrees and diplomas will be granted at convocation tomorrow, Friday, February 7. This includes 250 students graduating from degree and diploma courses and 61 graduate degrees. Veterinary director general Kenneth Wells will receive an honorary D.Sc. degree and W.H. Sproule, former head of the Department of Dairy Science, will be made Professor Emeritus. Convocation will be at 2:30 p.m. in War Memorial Hall.

Easy Wednesday

A new noon hour series featuring local folk artists started last week in the University Centre courtyard. The free concerts are held every Wednesday at 12 noon. Adrian Spring and Stuart Lorrman will perform on February 12.

Phone changes

Please clip and keep the following phone changes in Academic Computer Services, Institute of Computer Science: W. Alford, 210 ICS, 2422; J. Demaine, Tech. 211 ICS, 3284; J. Emmans, Counsel, 211, ICS, 3284; W. Fallows, 219 ICS, 3047; N. Ison, 208 ICS, 3871; Dr. K. MacKay, 214 ICS, 3712; W. Marshall, 209 ICS, 3005; J. Miller, 221 ICS, 2706; A. Rae, 224 ICS, 3712; D. Reynolds, 223 ICS, 3702; Dr. A. Sheth, 217 ICS, 3712; S. Smith, 215 ICS, 3046; S. Swaminathan, 220 ICS, 3712; J. Tofflemire, 205 ICS, 3502; S. Whiteford, 215 ICS, 3701; J. Yantho, 215 ICS, 3712.

COU position

The Council of Ontario Universities is looking for a new director of the Ontario universities program for instructional development to take up duties on July 1. The director will be chosen from Ontario university faculty members familiar with the field of instructional development and with the program's activities. Interested persons should contact the secretary of the Interim Committee on Instructional Development, Mrs. L. Shouldice, c/o Council of Ontario Universities, 130 St. George St., Suite 8039, Toronto, Ontario, before February 28.

Pub with entertainment

Larkspur, a Toronto rock band, will perform at a pub being held in the main activity area on level 0 of the University Centre next week. The pub will start at 8 p.m. on the evenings of February 13, 14 and 15.

Music scholarship

The annual Guelph Spring Festival scholarship competition is open for applications. The awards are for tuition fees for Guelph area singers and instrumentalists between 16 and 30 years old who show promise of achieving a professional standard. First prize is the Robert Markon Prize worth \$600. Other awards in the range of \$100 — \$300 will be awarded at the discretion of the jury. Applications must be sent to the Scholarship Committee of the Edward Johnson Music Foundation, Box 1091, Guelph, before May 10.

Ontario brass quintet

The debut of a new group, The Ontario Brass Quintet, will take place at the Thursday noon hour concerts on February 13, as usual at 12:10 and 1:10 p.m. in Arts 107. Five friends from different areas of the Toronto musical scene began playing brass chamber music together for their own pleasure in 1973. They will make their Toronto debut at the Town Hall on April 24. Stephen Chenette, trumpet, is a professor of brass and co-director of bands at the University of Toronto. Lawrence House, another trumpeter, is one of Toronto's most active free lance musicians. Brad Warnaar who plays the French horn is with the Toronto Symphony as is trombonist Frank Harmantas. Douglas Purvis, tuba player, is also a free lance player. At the 12 noon concert they will play Sonata from Die Bankelsangerlieder, Chorale Prelude by Brahms, Three Pieces by Johan Pezel, Sinfonia by Adriano Banchieri, and Quintet in b minor, Opus 5 by Victor Ewald. At the 1 p.m. concert the group will play Three Pieces by Samuel Scheidt, Danse Villageoise by Morley Calvert and Malcolm Arnold's Quintet (1961). There is no admission charge.

Job interviews

Permanent and summer employment interviews arranged this week by Career Planning and Placement on level 3 of the University Centre are: Friday, February 7, Ministry of Transportation and Communications (summer employment); Tuesday, February 11, Great West Beef Company (permanent employment); Wednesday, February 12, Canada Packers Limited, Robin Hood Multifoods, Foremost Foods Company (all permanent employment); Thursday, February 13, Canada Packers Limited (permanent employment).

Parents of teenagers

A psychology student, Pam Featherstone, dropped in to tell us she desperately needs parents and their 15 or 16 year olds to participate in a research project for her honors thesis. She is studying how parents and their teenagers relate to each other, and would require only an hour with each family to fill out forms. Contact Pam at 821-6661 after 5 p.m. for further information.

A.V. presents

Newfoundland, a slide-tape show by five landscape architecture students, will be shown at Audio Visual presents . . . on Tuesday, February 11 at 1:10 p.m. in Arts 017. The project was assembled for Professor Bob Scarfo's landscape design course, and features the people and culture of Canada's tenth province. The show is about 20 minutes long and will be repeated at 1:30 p.m.

London semester

Anyone interested in next winter's arts semester in London, England, should fill out application forms now, available from the office of the B.A. academic counsellor, Arts 034A. Students who have filled out application forms will be invited to meetings on plans for next winter, but are in no way obligated to go to London in 1976.

Creative intelligence

Several events have been organized for next week as the Guelph part in a world plan week for the science of creative intelligence. First on the program is a lecture on February 11 on the neuro-physiology of stress by British psychiatrist Byron Rigby at 3:30 p.m. in Arts 118. On February 12 and 13 there will be displays in University Centre 103A, from noon until 8 p.m., on the 12th on the applications of SCI for business and health, on the 13th on the applications for education. Both days there will be a reception from 4:30—6:30 p.m. On Wednesday evening Michael Pettitt will speak on developing full potential through SCI and on Thursday evening he will talk about mechanics of growth through SCI in Arts 118 at 7:30 p.m.

NEXT WEEK AT GUELPH

THURSDAY, FEBRUARY 6

Thursday Noon Concert — PURCELL CONSORT OF VOICES, Renaissance Music, 12:10 and 1:10 p.m.; workshop: 3—4:30 p.m., Arts 107.

Meeting — UNIVERSITY CENTRE BOARD, 8 p.m., UC 334.

Biology Hour — IS ACUPUNCTURE ONLY GOOD FOR PORCUPINES?, Dr. L.E. Morris, Chairman, Anaesthesiology, Medical College of Ohio, 12 noon, Bot/Gen/Zoo 130.

Wine and Cheese — OAC CLASS OF '76. The Wine and Grape Industry of Europe, Bob Wilcox, Vineland Station (speaker), 8 p.m., Arboretum.

Meeting — SHALOM (formerly Jewish Society), 8 p.m., UC 273.

Career seminar — LAW, 4 p.m., Soils 124.

Employment search program — THE INTERVIEW, 12 noon, Physical Science 121.

Meeting — DUPLICATE BRIDGE CLUB, 7:30 p.m., Card Games Room, 8th floor lounge Arts.

Meeting — LESBIAN DROP-IN, coffee and conversation, 8 p.m., UC 221.

Worship — RC MASS, 12 noon, UC Chapel, level 5; QUAKER MEETING, 7:30 p.m. Arts 138.

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

FRIDAY, FEBRUARY 7

Winter Convocation — 2:30 p.m., War Memorial Hall.

China Week — NEW YEAR DINNER-DANCE, 6:30 p.m., UC level 0.

Free Film — ALL THESE WOMEN, (Bergman) 8 p.m., Physical Science 105.

Course — CHRISTIAN PERSPECTIVES: HOW FREE AM I?, Dr. Remkes Kooistra, Chaplain, 8 p.m., Arts 138.

Worship — JUMA PRAYERS, 12:30 p.m., Arts 233.

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

SATURDAY, FEBRUARY 8

OVC Probe — ROLE OF SPECIALIZATION IN VETERINARY MEDICINE, sponsored by the Guelph chapter, CVSA, 9 a.m.—12 noon, Arboretum.

Buffet and Dance — OVC BUFFET AND DANCE, 8 p.m., UC 001.

Art Exhibition — CONTEMPORARY PHOTOGRAPHY SINCE 1950, from the George Eastman House Collection, Rochester, N.Y., to March 27, Library, main flr.

Basketball — WESTERN at GUELPH, 8:15 p.m., Athletics Centre.

SUNDAY, FEBRUARY 9

Cine-Series — COCAINE FIENDS, SEX MADNESS, HIGH ON THE RANGE, 7:30 p.m., War Memorial Hall, \$1.25.

China Week — TABLE TENNIS TOURNAMENT, 12 noon, UC level 0.

Worship — PUJA, sponsored by the Hindu Cultural Society, 11 a.m., 8th floor lounge Arts; RC MASS, 11 a.m., War Mem. lounge; ANGLICAN & UNITED EUCHARIST, 11 a.m., UC Chapel, level 5; ZOHR PRAYERS AND QURANIC DISCUSSION (open to all), 1 p.m., 9th floor lounge, Arts.

MONDAY, FEBRUARY 10

Woman's Hour — WOMAN'S HEALTH, Dr. C. Pelletier, 12 noon, UC 103.

Seminar — OBSERVATIONS ON HERBICIDE EFFECTS IN VIETNAM, J.D. Fryer, director, Weed Research Organization, Begbroke Hill, Oxford, 3:10 p.m. UC 103. (Coffee: 2:45 p.m.)

Employment search program — JOB LOCATION STRATEGIES, THE LETTER OF APPLICATION, 4 p.m., Physical Science 121.

TUESDAY, FEBRUARY 11

A-V presents... — NEWFOUNDLAND, 1 p.m., Arts 017.

China Week demonstration — CHINESE PAINTING, Andrew Chang, sponsored by the Chinese Students' Association, the Arts Association and the Fine Art Department, 7 p.m., Physical Science 113.

ISA Film Series — CHINA: TRIP TO MODERN CHINA and GLIMPSES OF TAIWAN, 12 noon, Alumni Conference Hall, UC; 7:30 p.m., IS lounge, UC, level 5.

Hockey — WESTERN at GUELPH, 8 p.m., Memorial Gardens.

***Course** — THE LIFE AND MUSIC OF HANDEL, 3 sessions. Fee: \$7.

Illustrated lecture — NICHOL TOWNSHIP, Prof. G. Couling, 8 p.m., P.Sc.105,\$2.50.

Lecture — MEASURE FOR MEASURE, Prof. R.W. Margeson, 8 p.m., Arts 317. \$1.

Crop Science seminar — A BIOCHEMICAL APPROACH TO QUACKGRASS CONTROL, Malcolm Devine, 4:10 p.m., Crop Science 403.

Energy Symposium — ENERGY AND THE ENVIRONMENT, Prof. G. Hofstra, Envir. Bio. and Prof. R. Reader, Bot/Gen. 7 p.m., Arts 318.

Colloquium — THE NEURO-PHYSIOLOGY OF STRESS, Byron Rigby, psychiatrist at St. George's Hosp., London, England, 3:30 p.m. Arts 118.

Worship — NOON HOUR DEVOTIONAL, Chaplain Remkes Kooistra, 12 noon — 12:30 p.m. UC Chapel, level 5. Bring along your lunch.

Meeting — DISCUSSION-FELLOWSHIP GROUP, sponsored by Chaplain Remkes Kooistra, 8 p.m., 9th floor lounge, Arts. Topic: The Structure of the Church, also film strip on hunger in Bangladesh. All are welcome.

Meeting — INSURANCE — WHAT YOU NEED AND HOW TO BUY IT, Jim McCullough, OMAF, speaking to Farm Credit Club, 7 p.m., Arts 115.

Employment search program — THE INTERVIEW, 4 p.m. Physical Science 121.

WEDNESDAY, FEBRUARY 12

Film — (Education): HIGH SCHOOL and THE JOURNEY OF FALSIO PACHIONI, 8 p.m., Arts 115. Admission: 75¢.

Films Français — LES PORTES DE LA NUIT, Pierre Brasseur, Yves Montand, Serge Reggiani; Jacques Becker (réalisateur), 7:30 and 9:30 p.m., French House, 2nd floor (Lennox C).

Ash Wednesday — SPECIAL RC MASS, 12 noon, War Memorial Hall.

Lecture — THE PERFECT PHOTOGRAPH, Prof. T. Tritschler, 12:10 p.m., Arts 107.

Lecture — JOHN DEAN ON WATERGATE, 8 p.m., level 0 UC, \$3. Tickets available from Central Box Office.

Display — APPLICATIONS OF SCI IN BUSINESS & HEALTH, 12 noon—8 p.m., UC 103A. Reception 4:30—6:30 p.m.

Lecture — DEVELOPING FULL POTENTIAL THROUGH SCI, Dr. Michael Pettit, 7:30 p.m. Arts 118.

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

Worship — ANGLICAN & UNITED EUCHARIST, 12 noon, UC Chapel, level 5; RC MASS, 5 p.m., UC Chapel, level 5; CAMPUS CHRISTIAN FELLOWSHIP, 8 p.m., Arts 312, everyone welcome.

Employment search program — INTRODUCTION; SELF ASSESSMENT, 1 p.m. Physical Science 121.

Concert — ADRIAN SPRING, STUART LORRIMAN, 12 noon, UC courtyard.

THURSDAY, FEBRUARY 13

Thursday Noon Concert — ONTARIO BRASS QUINTET, 12:10 and 1:10 p.m. Arts 107.

Biology Hour — STERILIZATION — MALE OR FEMALE? Dr. R.H. Gelb, Obstetrics and Gynecologist, 12 noon, Bot/Gen/Zoo 130.

Employment search program — THE RESUME, 12 noon, P.Sc. 121.

Colloquium — THE NATURE OF OBLIGATION, philosophy Prof. Tom Settle, 8 p.m., Arts 316.

Winter carnival — SNOW SCULPTURES, front campus; SKI PARTY, Dairy Bush, 8 p.m., HAFA PUB, 8 p.m. UC 001.

Lecture — MECHANICS OF GROWTH THROUGH SCI, Dr. Michael Pettitt, 7:30 p.m., Arts 118.

Display — APPLICATIONS OF SCI IN EDUCATION, 12 noon—8 p.m. UC 103A, Reception 4:30—6:30 p.m.

***Contact Continuing Education, Johnston Hall, Ext. 3956.**

KEEP THESE DATES

February 7 — CONVOCATION

February 12–15 — WINTER CARNIVAL

February 21 — INTERNATIONAL VARIETY NIGHT

February 28–March 9 — COLLEGE ROYAL

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, 4th floor East, University Centre in writing by noon Friday. Articles and news items may be quoted or reproduced in full.

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UNIVERSITY OF GUELPH

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