

# NEWS BULLETIN

UNIVERSITY OF GUELPH

Vol. 16 — No. 11

March 16, 1972



Paul McLeod, a 4th semester Diploma student, was Grand Showman at the College Royal Livestock Show. From left: College Royal Queen Loralee Rutledge, Mr. McLeod, Harley Nicholson, chairman of the Livestock Show, and Dr. T. D. Burgess, Honorary President of College Royal.

200 students enrolled

## Human Kinetics emphasizes academic study

A new administrative unit, the Department of Human Kinetics, has recently been created in the School of Physical Education. Chaired by Dr. John Powell, who is also director of the school, this department is concerned with the school's academic and research activities. The eleven faculty members in the department include three coordinators: Professor Ross Walker for the proposed graduate program and for research, Professor Len Cooper for the undergraduate program, and Professor Alex Peepre for the motor skills program. Presently, 200 students are studying for the honors B.Sc.(P.E.) degree.

The human kinetics concept is a distinct departure from the traditional North American approach to physical education, says Dr. Cooper. The academic emphasis is on understanding human movement — specifically on how and why man's interaction with his environment influences his movement. In this program, it is recognized that man is not simply a physiological organism, but also a bio-social and psycho-social organism. The study of the mechanics of human movement alone is unsatisfactory in attempting to fully comprehend the factors influencing his movement.

What the Department of Human Kinetics endeavors to achieve, says Dr. Cooper, is an *integrated* study of man's capacity for physical activity under changing conditions in both his internal and external environment, so that a better understanding of his capabilities and limitations can be realized. The emphasis is on an integrated, multi-perceptive approach.

The Department of Human Kinetics is concerned primarily, but not entirely, with human movement as often exemplified in structured sport, he says. Motor activities associated with sport serve as teaching vehicles — as a means to an end. Sport serves ideally not only as a stressor but as a stress-alleviating factor; it also provides the oppor-

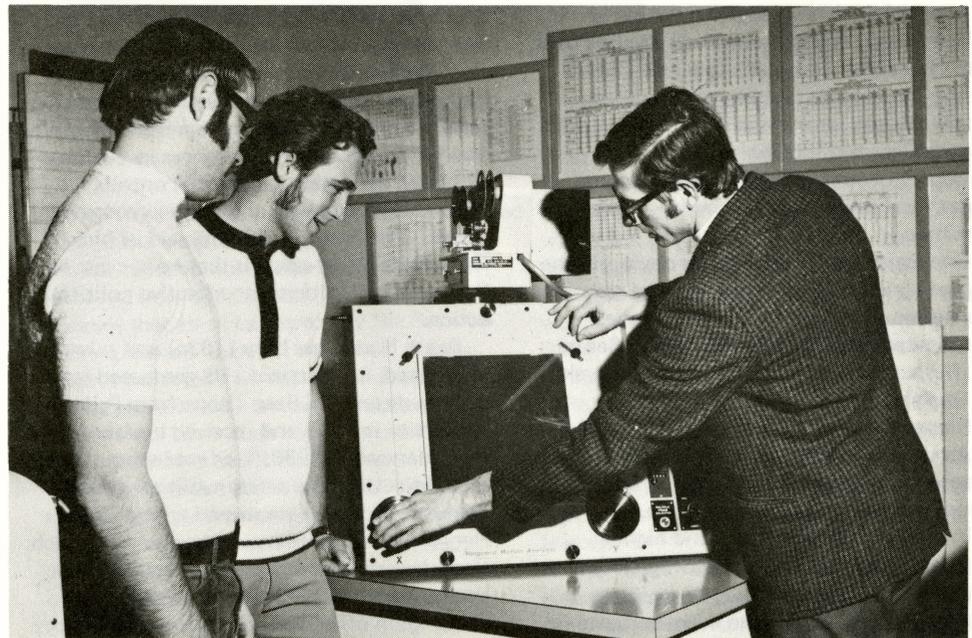
tunity to examine man's response to controlled situations. In this kind of environment, the capabilities of the healthy human organism can be studied, quantified and documented as it reacts to a wide range of movement experiences.

Physical education — a term which is becoming increasingly vague — is only one part of Human Kinetics, says Dr. Cooper. The present School of Physical Education, and hence the newly established Department of Human Kinetics, has recently been placed in the College of Biological Science, thus providing an administrative atmosphere conducive to the department's academic growth. As a part of the College of Biological

Science, the Department of Human Kinetics is committed to contribute to the advancement of biology on the campus, particularly as it relates to human biology.

Among the research projects currently under investigation or to begin shortly are studies investigating the value of controlled exercise in treating asthmatic children; the physical working capacity of pre-pubescent boys; motor learning disabilities; biomechanics of muscular performance, and psychological factors influencing human movement. Well-known authorities, such as Dr. B. Saltin of the University of Stockholm, and Dr. V. Novak of the Mayo Clinic, have visited the

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Professor Jack Charteris, right, and physical education students Brien Bound, left, and Rob Beer study the mechanics of a gymnastic exercise through the use of a cinematographic analyzer. Such assignments are central to the academic program in the School of Physical Education's recently-formed Department of Human Kinetics.

# Remote Sensing study on campus

The Centre for Resources Development has been for some years interested in the rapidly developing field of remote sensing — the University of Guelph is uniquely qualified in its knowledge of what is called "ground truth", such as the soil surveys: in other words, real information derived from field work. The field of remote sensing is the process of taking measurements of an object from a distance.

The instruments can be cameras, microwave instruments, photo multiplier tubes, solid state detectors and spectrometers. Such data collected with an optical-mechanical scanner mounted in either an aircraft or a spacecraft and linked to a computer can result in accurate complex data about the surface of the earth being made available.

The technique of remote sensing has great significance in the fields of agriculture, natural resources, soils, hydrology, biology, geography, geomorphology and geology, and in the planning and management of man's environment. Resources can be monitored and the data analysed to provide new insights into such practical problems as pollution control, urban and regional development, forestry, recreational management, crop production forecasting and disease inspection, landscape design, thermal information about running waters, gravel production, and wildlife management.

The recent development of technology which made possible the Earth Resource Technology Satellite (ERTS) and Skylab will result in huge amounts of such data. Technical committees of concerned resource scientists have now devised a Canadian system for handling this data.

In principle, a new receiving station at Prince Albert, Saskatchewan will provide basic data on a continuous basis to a new Canada Centre for Remote Sensing geared to the supply to data for users in various areas. This Canada Centre will be linked to selected university centres which will then become major focal points for teaching and research activities.

One major user of the data is obviously the area of agriculture, regional planning resources management, and environmental studies represented by the focal point of the Centre for Resources Development at the University of Guelph.

Research has recently been funded at Guelph to investigate high altitude and satellite imagery as a means of studying soil moisture, mapping soils, and evaluating land use.

In recent years significant and highly original techniques of orthophotography have also been developed at Guelph. In plain language this means we can make accurate maps on error-free photographic bases.

The Director of the Canada Centre for Remote Sensing, Dr. L. W. Morley will be visiting the Guelph campus on Monday, March 20 to discuss with interested faculty

the latest developments in CCRS and the application of remote sensing to our resource-oriented studies.

Through the Canada Centre for Remote Sensing, Dr. Morley provides photographic data for use in association with resource-oriented projects, but the CCRS is not directly involved in interpretation studies.

Resources and environmental faculty at the University of Guelph are directly involved in the study of agriculture, earth resources and man's environment and are thus in a special position to assist in detailed interpretation and use of such data in imaginative ways.

This use of their skills for the rapid advancement of the social applications of remote sensing data does not require any change in

present research programs; indeed it can rapidly advance and develop such research.

Faculty who were interested in the interpretation, use and development of remote sensing data attended the OIA sponsored Klinck Lecture which was held at the Holiday Inn at Hespeler earlier this week. Professor M. F. Baumgardner was the speaker.

Dr. L. W. Morley, Director of CCRS will address a group of interested faculty on the morning of the March 20 and there will be subsequent opportunities for meetings with more specialised groups in areas such as agricultural applications, plant health, land use, water quality and the like.

Faculty will be contacted by the Centre for Resources Development, but all who are interested are urged to attend. Further information can be obtained from the office of the Centre for Resources Development.

## Ralph Nader here March 23

Ralph Nader is probably America's most famous — and most effective — critic. He has been called everything from muckraker to consumer crusader to public defender. His documented criticisms of government and industry have had widespread repercussions on public awareness and bureaucratic power. He is, as Time Magazine noted, the "U.S.'s Toughest Customer."

The student government of the College of Social Science is sponsoring the visit of Ralph Nader on Thursday, March 23.

The crusading attorney who first made headlines in 1965 with his book *Unsafe At Any Speed*, the scathing indictment that lambasted the auto industry for producing unsafe vehicles, has been responsible for at least six major federal consumer protection laws, for the elimination of monosodium glutamate (MSG) from baby foods, for the recall of millions of defective motor vehicles and for countless other advances in the areas of safety, sanitation, pollution control, advertising credibility and politico/economic power. The New York Times said of him, "What sets Nader apart is that he has moved beyond social criticism to effective political action."

Ralph Nader was born (1934) and raised in Winsted, Connecticut. He graduated magna cum laude and Phi Beta Kappa from Princeton University in 1955 and received his law degree from Harvard in 1958. He first became interested in automotive safety while an undergraduate and he wrote several articles for the Harvard Law School newspaper, one of which was later expanded to form the basis for his book. Working in his modest, one-room Washington office for up to sixteen to twenty hours a day, often seven days a week, Nader is an infinitely dedicated, inexhaustably persistent crusader whose entire waking life is devoted to the causes he champions.

In 1970 Mr. Nader founded the Public

Interest Research Group which investigates and researches consumer issues. He is also a trustee of the Centre for the Study of Responsive Law in the United States.

Much has been written about Ralph Nader. A book entitled *Citizen Nader* by Charles McCarry will be published this month.

The author writes about Mr. Nader, "Since his emergence as a public figure during the Ribicoff hearings into automotive safety in 1966, Ralph Nader has enjoyed a good, even a spectacular, press. Largely as a result of General Motors' investigation of him at that time, Nader was invested with what might be called credibility-by-contrast.

"Those who tried, as he thought, to destroy him failed so publicly and had their motives so enthusiastically impugned that all the virtues they lacked became Nader's. He was perceived by reporters to be what in fact he is: the enemy of their enemies.

Hearing Ralph Nader lecture is an experience unto itself. Not just due to his oratorical proficiency, but owing more to his obvious sincerity, the listener cannot help but be impressed by his facts and figures, motivated by his ideals.

Tickets for the Ralph Nader lecture to be held in the Physical Education gym are available at the Central Box Office, Arts building. General admission is \$1 and the lecture starts at 8 p.m.



Ralph Nader



# College Royal Highlights



Demure look . . . . .



or Hot Pants.

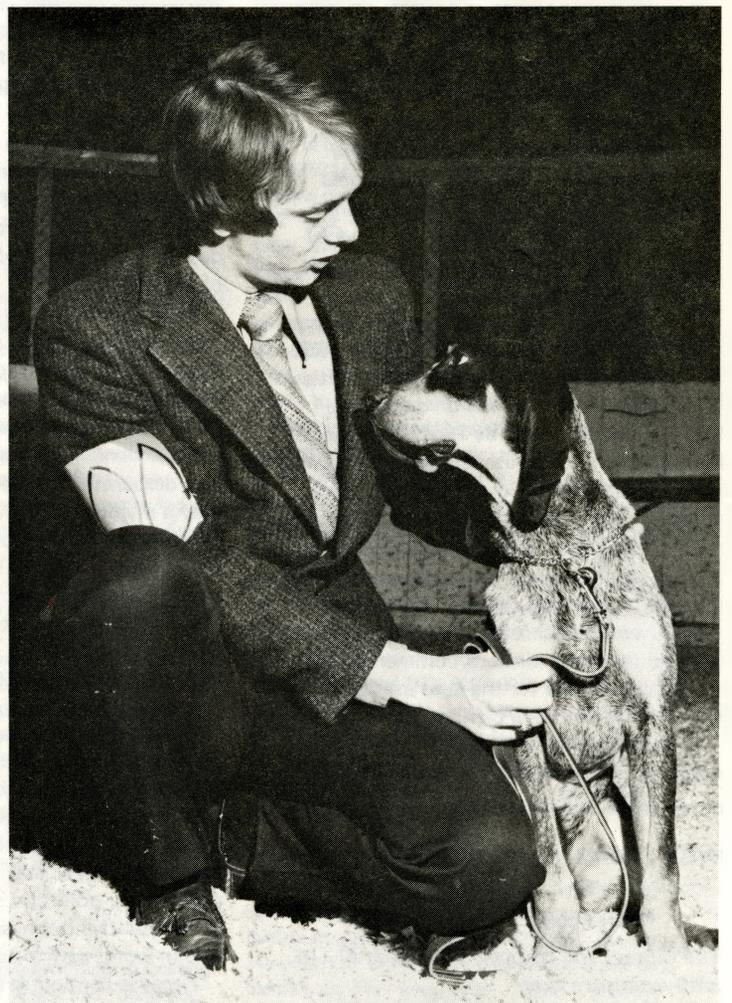
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"Nearly 20 per cent of the student body participated in this year's College Royal. With that kind of spirit and cooperation I am proud to be President of this University" President Winegard said in welcoming the judges, former College Royal Presidents, College Royal Committee heads and guests to the College Royal luncheon.

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Left: T. R. Hilliard, Deputy Minister of Agriculture and Food, who officially opened the 1972 College Royal, is shown between Larry Butler, College Royal President, and Loralee Rutledge, College Royal Queen. Mr. Hilliard, President of College Royal in 1940, commented on the growth of College Royal. "It involves the University, the City and the Province," he said. Right: Dog Show entry waits patiently.



## Easter holiday

The University of Guelph will observe Good Friday, March 31, 1972, as a statutory holiday.

The University will resume normal operations on Monday, April 3, 1972.

The holiday schedules for members of departments that must carry on a continuous operation will be announced by the supervisors concerned.

## Faculty Club designs

The students in the School of Food and Hotel Administration are designing floor plans for the Faculty Club's assigned space in the new University Centre. The quality of the entries received from the students requires the selection committee to extend the preliminary elimination period by one week. The finalists' entries will be on display by Friday, March 24, and balloting will continue to Wednesday, March 29. Announcement of the winner and the celebration will take place on the evening of Wednesday, March 29.

## German contest

A group of 38 high school students from an area extending from Brantford to Owen Sound participated in a German high school contest that could earn them a trip to Germany this summer. The event was hosted by the German section of the Department of Languages. Participants were welcomed on campus by Professor M. Kremer and later met with Professor Renate Benson, and Professor Joyce Mayer.

## Baccalaureate service

The 1972 Baccalaureate Service at the University of Guelph will be held on Sunday, March 19 in War Memorial Hall.

The Rev. Roger Nostbakken, Chaplain at McMaster University, will be the guest speaker for the service which begins at 3 p.m. Traditionally held at this time each year for the graduands, the service is open to all students and the general public.

A tea to be held in Creelman Hall will follow the service.

## Report on Centre

A four column news story in the Victoria Times by staff writer Walter McKinnon carried the heading, Progressive approach aids Guelph's learning disabled.

The writer was reporting on a talk by Dr. Denis Stott, Centre for Educational Disabilities, in Victoria when he was addressing the Greater Victoria Teachers' Association. The writer said in part, "Recognition that

learning disabilities in children can be the result of temperament, not an absolute handicap of intelligence or perception, has led to a promising remedial teaching program being developed at Guelph University in Ontario.

"Dr. Denis Stott, head of the University's Centre for Educational Disabilities, says the system embodies primarily 'self-learning, self-correcting discovery methods' and is geared in the child who cannot function in a normal educational institution.

"Stott has been working in the area of learning disabled children for approximately 20 years. He was educated at Cambridge, Oxford and the University of London and has been on the faculty at Guelph for the past six years."

## Free Festival Theatre

Luis Gunuel's *The Milky Way*, which graphically displays his animosity towards Christianity and the Church, highlights this week's feature presentation of the Free Film Theatre, beginning in Room 105, Physical Sciences at 8 p.m. *Way* follows the odyssey of two pilgrims making the hazardous trek to the famous shrine at Santiago de Compostela in Spain. Two shorts, *Paper Hanger Helpers*, which may feature Laurel and Hardy, and *The Great Chase*, which supposedly stars W. C. Fields, completes the program. Remember — its FREE!

## Drama offers Elektra

The Division of Drama will offer a production of *Elektra*, a tragedy by Hugo von Hofmannsthal Tuesday through Thursday, March 21-23, at 8:00 p.m., in the Drama Workshop.

This play is the last in the series by students of Theatre Production One, dealing with acting in the Grand Manner.

The same group produced *A Peculiar Position* and *Lady Audley's Secret* recently, and will now attempt to capture the tragic side of this highly theatrical approach to acting.

Tickets are available at the Central Box Office, and general admission is fifty cents.

## Computer Science conference

Several University of Guelph faculty members, and Institute of Computer Science staff attended the recent two day conference at the Inn on the Park, Toronto. The theme of this year's conference was, The contribution of the computer to the educational process, and the highlights were presentations on, Computer based education, by D. L. Bitzer of the University of Illinois, the ARPA computer network, by L. G. Roberts of ARPA, and The University as a living information processing system, by J. G. Miller from Johns Hopkins University.

A number of papers were given on the use of the computer in various disciplines such as

Electrical Engineering, Geography, Business Administration, Liberal Sciences, Epidemiology and Biostatistics.

A copy of the full proceedings of the conference will be available soon from the Secretary, Institute of Computer Science, at Ext. 3701.

## Maps reach archives

The first major research project of the Centre for Resources Development was the Georgian Bay Regional Plan 1968-1972 carried out under the direction of Professor Norman Pearson. Some 66 large hand-drawn and hand-coloured original maps made by Professor Pearson were deposited with the Ontario Department of Treasury and Economics. In order that they may be made available for archives and for future academic and general use, the Map Library of the University of Toronto Geography Department has now arranged with Mr. S. Clasky, Director of the Regional Development Branch, to have these maps copied for the Map Library. The originals will stay in Ontario archives.

## Centre attracts teachers

A total of 200 teachers visited the Centre for Learning Disabilities during professional development days from February 9 to February 23. The continuing communications with teachers and psychologists in Ontario is quite evident by the number that toured the Centre and held discussions.

## Annual Dance

The West Indian Steel Band will play for dancing at the International Students Annual Supper-Dance Night, on Friday, March 24.

To be held in the Wharf of the Physical Education building, the evening starts at 6:30 with the opening of the bar and supper will be served at 7:30. Dancing continues to midnight.

Tickets for the evening at \$3 single or \$5 a couple, are available from Sadru Damji, Ext. 8110 or 821-0391 evenings.

## VISITORS

Centralia College of Agricultural Technology first year students were on campus to learn about the Dairy Cattle Research Centre at the Elora Station and the plant growth facilities at the Crop Science building. Dr. E. B. Burnside was in charge of the students at the Research Centre and Dr. Neil Stoskopf, conducted the students on their tour of the Crop Science building.

on campus

The fifth seminar in the 1971-72 series of the Ontario Cooperative Program of Latin American and Caribbean Studies will be held at the University of Guelph on March 25, in the Music Room, 107, Arts building.

This OCPLACS Seminar is being jointly organized by the Centre for International Programs of the University and the International Development Research Centre on the theme Thoughts on Canada's future involvement in Latin America.

**Program**

9:30 - 10:00 a.m.

Registration and Morning Coffee — outside Room 107.

10:00 - 10:15 a.m.

Introduction by the Chairman of OCPLACS and the Director of the University Centre.

10:15 - 12:30 p.m.

Presentations on the following topics: The Latin American Viewpoint, Hernando Ricardo, the Embassy of Colombia, Ottawa; Canada's Role in Inter-American Institutions, E. B. Bellemare, Latin American Division, Bureau of Western Hemisphere Affairs, Department of External Affairs, Ottawa; Partnership in Development Programs, M. Koroniak, Latin America Section, Programming Division, Canadian International Development Agency, Ottawa; The Challenge to Canadian Business, J. Felker, Massey-Ferguson Company, Toronto; Problems of Cultural Adaptation, Pierre Beemans, Canadian University Service Overseas, Ottawa.

2:00 - 4:30 p.m.

General Discussion on the Morning Presentations.

4:30 p.m.

Concluding Remarks.

Further information may be obtained from Professor H. R. Binns, Ext. 3256, who is making local arrangements for this Seminar.

**RESEARCH GRANT CALL**

The Department of National Health & Welfare has announced a new research grant program designed to provide employment opportunities for university students during the summer of 1972. Students will work under the direction of faculty members, on research on drug abuse and related problems of unemployed and transient youth. If interested contact W. E. Tossell, Dean of Research.

The Captain James Cook Fellowship for 1973. Tenable for two years for research in a New Zealand University or Research Institution. Closing date, May 31.

**President criticizes operating grants**

Concern over the operating grants formula for universities in Ontario is expressed by President W. C. Winegard in the University of Guelph's 1971 annual report.

In the report that has just been published, President Winegard says, "more scholars per dollar, may be a catchy slogan, but it can only be accomplished by increasing the student-faculty ratio at a time when the students want more contact with professors."

Referring to the basic income units of universities, on which operating grants are based, Dr. Winegard states that 4.8 per cent increase for 1971-72 academic year was reasonable, but the 2 per cent increase announced for the following year makes the outlook for 1972-73 bleak.

It now seems clear, says Dr. Winegard, that the province of Ontario intends to maintain the open door policy of university education and that they will control the total cost by ensuring that the cost per student does not rise significantly. Another alternative for controlling total cost, that hasn't found favour in government yet, says Dr. Winegard, is to control the number of students who are permitted to attend the university.

Referring to the capital grant formula for

universities, the President says that on the whole it does provide good value to the tax payer and provides reasonable funds for universities. In the fiscal year ending June 30, 1971, Guelph's total operating budget totalled \$44.1 million, of which \$26.8 million came from grants from the Ontario Department of Colleges and Universities. The Ontario Department of Agriculture and Food contract education, service and research programs totalled some \$9.7 million.

Referring to student enrolment, the President pointed out that enrolment projections have been met, except in the case of graduate students, who have been faced with restricted financial support. He predicts that over the next few years, more mature students — those over 25 years of age — are going to take advantage of our universities.

The annual report, comprising some 114 pages, contains special reports by each of the Deans of the University and some other administrators, as well as listings of the publications by members and the financial statistics.

Copies of the 1971 annual report are being distributed to faculty and professional staff. Requests for additional copies should be directed to the Department of Information.

**PERSONALS**

**HOUSING**

For rent — 4 bedroom fully furnished farmhouse, April 10 to August 10. Dr. Dingwall, Ext. 2749; For rent — furnished apt. for 1 or 2 years, 822-1596; For rent — extremely large one bedroom apt. available. May 1. 821-7152; Wanted to rent — farm house & barn, suitable for horses for OVC married student. 824-0653; For rent — 2 bedroom apt. avail. April 1. 824-4965; For rent — unfurnished bachelor apt. 821-6534; For rent or sale — 3 bedroom condominium, garage, Willow West area, Ext. 2296; For rent — 1 bedroom apt. 823-1178; For sale — 3 bedroom bungalow, south of river Speed, 822-3832; For rent in London, England; 40 pounds a week for fully equipped flat for two people in Kensington, preference to University family, write: J. A. Cayton, New Cottage, Herringfleet Road, St. Olaves, Near Great Yarmouth, Norfolk, England. Wanted to rent — house or apt. furnished or not, for married student with small dog, 821-1022 after 6; For rent — 3 bedroom house, country location, 856-9687; For rent — 3 bedroom furnished house, near University. May 1 to July 31, 824-9035; O.T.S. summer residence, male students only, 822-0705; For rent — 2 bedroom furnished apt. Ext. 3382; For rent — 4 bedroom furnished house, May 15 to Dec. 15, 822-7075; For sale — 5 bedroom home, large lot, 821-8497; For sale — 3 bedroom bungalow, 843-2817; For rent in London, Ont., near Western University; 1 bedroom fully furnished apt. May 8 — Aug. 31, 822-0449.

**FOR SALE**

Olympia portable manual typewriter, custom symbols of interest to science student. Ext. 2708; Solid oak desk, 4 drawers, Ext. 3056; 30" electric range, 2 pc. chesterfield in leatherette, small side walk bike with training wheels, large dresser mirror, walnut book

rack, baby seater, 821-3326; Singer vacuum cleaner, Ext. 2524; Baby car seat, crib and mattress, play pen, feeding chair, etc., 822-1078; '65 Ford Fairlane 500, 822-1078; Fan heater, portable G.E. TV, gate-leg table, fish tanks, chest of 3 drawers, blender, toaster, kitchen scales, etc., family leaving country 822-1078; Pair of red maple bunk beds with mattresses, red maple dining room table, buffet & chairs, child's ruggy, 822-3724; '64 Acadian parts, engine, etc., 823-1224; 5 gal. aquarium with lid, light, heater & filter, Ext. 3143; Kneissl skis, length 205, market toe with tyrolia heel; lange ski boots, size 10, Bob at 824-1768; Return portion on flight ticket to London, England, to be used by April 18, Ext. 8119; Size 12 wedding gown, Ext. 2425; 2 — 19" portable T.V., black and white sets, by tender, can be seen at OVC stockroom; Mansfield super 8 reported editor 2080, splicer, Argus super eight, 822-1078; '66 Meteor, 4 door, Ext. 2482; Small stereo phonograph, digital clock radio and 13 by 10' rug, 821-0666; '64 Volks, Ext. 3391; 2.3 cu. ft. fridge, small freezer 824-6931; '65 Ford Fairlane 500, 822-1078; Portable GE 15" T.V. 822-1078; Beds, desks, lamp, iron, toaster, kettle, carpet, chair, fridge, stove, chest of drawers, bookcase, 822-4964; '64 Rambler, Ext. 2524; 78 RPM records, Al Jolson, Ella Fitzgerald, Call Ext. 3863 for list and prices.

**MISCELLANEOUS**

Purebred Siberian huskypuppies, 856-4226; Babysitter wanted to live in would consider married couple — mature student, 821-3386 or 822-2162; Typing available, Ext. 3400; Hort student will prune ornamentals and fruit trees, write — David J. Murray, c/o Central Office, Campus Bookstore. Typing for thesis, essays, term papers, Ext. 3400; Young mother will babysit in her home, references, 821-3069;

## Re-examine university goals

A re-examination of the goals of the university is imperative, said Professor Douglas Heath of Haverford College in speaking on campus last week. "The primary goal of education is not, and never has been, academic excellence," he said.

This was one of his comments in a wide ranging and hard hitting discussion based on his experience in working with students and his intensive research on student development. He spoke to a group of students, faculty and administrative personnel.

Professor Heath repeatedly returned to his thesis that the only appropriate educational goal is to further the educability of those in the classroom. They must be taught skills and must develop attitudes which will aid the individual in adapting to life. In other words, the question really becomes, how can we aid him to become a self educating person? The speaker noted that in making this comment he was referring to programs from elementary school up to, and including, the undergraduate level. At the graduate level, the situation was somewhat different.

At the same time, he pointed out that today many Ph.D. graduates soon find employment in fields other than that directly related to their area of study. In such cases, specialization too early in the educational experience may indeed interfere with or prevent the individual's own development.

Even highly trained scientists often fail to apply basic attitudinal skills in other areas of their life, Professor Heath stated. "We need to teach young people the mode of 'sciencing'" he said. "They must learn how to analyse and solve a problem, and to apply that approach in their day-to-day activities.

Not only do about a third of Ph.D. graduates find employment outside their area of specialization, but a steadily decreasing share of Ph.D. graduates is finding employment in academia.

## Human Kinetics

*Continued from page 1.*

department this fall, and provided valuable insights into aspects of human movement.

Professor Bernard Hopper of the University of London, a physicist and leading authority in kinesiology, is presently conducting an advanced course in biomechanics in cooperation with Professor Jack Charteris. Thus he is further fostering the multi-perspective approach to human movement.

Graduates from this program enter a variety of specialized careers, including teaching, medicine, rehabilitative medicine, exercise therapy and other allied health science fields, says Dr. Cooper. Hopefully, through these students, the human kinetics concept conceived at the University of Guelph will provide a better understanding of human movement, thus rendering a valuable service to mankind in the future.

This calls for a re-examination of conventional graduate study programs.

In the late fifties and early sixties, about 60 per cent of Ph.D. graduates found a career in academia, in the 1965-69 period the proportion dropped to just under 40 per cent. It is estimated that in the period 1970-74 only 22 per cent of Ph.D. graduates will find their life's work within a university context. By 1980, the figure may well be below 10 per cent. While the discipline of following a research project to its conclusion offers many benefits, a completely research oriented graduate study program is becoming less appropriate, he suggested.

Professor Heath also dealt at some length with the quality of inter-personal relationships which young people today experience. Not only do a great many of them find a growing sense of estrangement with adults, but they also find great difficulty in establishing meaningful relationships with their peers.

They experience what the speaker termed a growing sense of "belongingness," which is characterized by a deep sense of loneliness and isolation and an inability to communicate emotionally. They often find it hard to establish cooperative work relationships, a fact which is expressed in declining participation in team sports and a shift to seeking single rooms in residence.

The root of these problems must be sought in our society at large, Professor Heath pointed out. Ours is a very mobile society where relationships are constantly being uprooted and new ones established. It is a society which has placed immense emphasis on size, and this has been carried into the school system where elementary and secondary schools of tremendous size have grown up. He referred to a school he recently visited with two and a half miles of corridors, and others which provide electric carts for faculty to get around in. Today, in New York City, a new directive has been established limiting the size of schools to between 400 and 600 pupils. Another contributing factor to the sense of isolation many young people experience is the vast amount of time they spend watching TV instead of playing together, as children.

## GRANTS

The Canadian Restaurant Association foundation has pledged \$25,000 to the University's School of Hotel and Food. Administration for research work over the coming five years.

The money will be used by faculty members for studies in such fields as management, marketing and consumer attitudes', as regards the hospitality industry, says Professor G. D. Bedell, the school is director. The foundation has taken a great interest in the school since 1969 when it opened, he notes.

Faculty members at the school as professors Bedell, J. A. LaDu, A. H. Marston, and E. M. Upton.

## Campus job opportunities

**Financial Analyst**, Chief Accountant's Office, 3rd year RIA/CGA.

**Internal Auditor**, Chief Accountant's Office, CA.

**Assistant Safety Coordinator**, Safety and Security Department, Engineering Background.  
**Salary Administration Assistant**, Personnel Administration Job Evaluation and Classification.

**Assistant to the Dean**, Dean of Research. Considerable administrative experience applicable to research and development.

**Librarian**, The Library, Head, Acquisition Department.

**Clerk**, Registrar's Office. Salary range \$75.30 - \$116.55.

**Clerk**, Registrar's Office. Salary range \$82.82 - \$116.55.

**Film Librarian**, Audio Visual Services. Salary range \$77.00 - \$116.61.

**Clerk-Typist**, Food Science Department. Salary range \$65.25 - \$81.08.

**Technician**, Animal Health, Clinical Studies, OVC. Salary range \$107.41 - \$155.83.

**Stenographer**, Chemistry Department. Salary range \$65.25 - \$81.08.

**Stenographer**, Vice-President's Office, Administration. Salary range \$65.25 - \$107.70.

**Agricultural Assistant**, Clinical Studies, OVC, Salary Range, \$118.64 - \$130.47.

**Junior Operator Technical Equipment**, Audio Visual Services. Salary range \$82.35 - \$124.71

**Cartographer**, Department of Geography. Salary range \$107.41 - \$172.28.

**Library Assistants**, The Library. Salary range \$77.00 - \$116.61.

**Library Assistant**, The Library. Salary range \$90.86 - \$134.31.

**Stenographer**, Department of Sociology. Salary range \$75.30 - \$107.70.

**Secretary to the Assistant Director**, Engineering Services. Salary range \$85.41 - \$133.13.

**Department Head Secretary**, Department of Geography. Salary range \$85.41 - \$120.58.

**Custodian I**, Housekeeping Department. Two positions. Salary range \$2.16 - \$2.40.

**Custodian II**, Housekeeping Department. Salary range \$2.39 - \$2.65.

**Plumber/Steamfitter**, Maintenance Department. Salary range \$3.67 - \$4.08.

*Further information on the above positions is available from the Employment Office, telephone 3058 or 3059.*

Remember:

The Guelph  
Spring Festival

April 28 - May 13

# NEXT WEEK AT GUELPH

## THURSDAY, MARCH 16

**Music** — THE MADRIGAL SINGERS. 12:10 to 12:45 and 1:10 to 1:45 p.m. Music Room 107, Arts. Admission free.

**Workshop** — MARK IV. Describes the features and new facilities offered by the latest version of the Mark IV information and reporting system. 1:30 to 4:30 p.m.

**Lecture** — FUTURE OF AGRICULTURE IN CANADA AND AGRICULTURAL EDUCATION, by Dr. Michael Shaw, Dean of Agriculture, University of B.C. Second in the series of lectures by candidates for the position of Dean, OAC. 2 p.m. Room 130, Botany and Zoology.

**Film** — LA NUIT DE LA POÉSIE, in French. 4 p.m. Room 114, Arts. All welcome.

**T.V.** — SPOTLIGHT ON UNIVERSITY OF GUELPH. Cable 8 at 2 and 5:30 p.m.

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

**Lecture** — DANTE: MEDIEVAL OR MODERN, by Dr. Alan D. Wilshere, Languages. 8 p.m. Music Room 107, Arts. Admission free.

**Dance** — ST. PATRICK'S DANCE, SPONSORED BY THE ECONOMICS CLUB. 8 p.m. to 12:30 a.m. The Wharf, Physical Education building. 75¢ admission at the door pays for live orchestra and food. Bar available.

## FRIDAY, MARCH 17

**Discussion** — NUTRITION PROGRAMS IN CANADA, with Dr. Z. I. Sabry, National Coordinator, Nutrition Canada, Food and Drug Directorate, Ottawa. 10:30 a.m., Faculty lounge, Macdonald Institute.

**Seminar** — ECOLOGY AND PLANNING, by Dr. R. S. Dorney, Division of Environmental Studies, University of Waterloo. 3:10 p.m. Room 22, Land Resource Science.

**Film** — EASY RIDER. 6, 8 and 10 p.m. War Memorial Hall. Free with Impact Card.

**T.V.** — SPOTLIGHT ON UNIVERSITY OF GUELPH. Cable 8 at 7 p.m.

**Film** — THE MILKY WAY, PAPER HANGER'S HELPERS, THE GREAT CHASE. Sponsored by the Free Film Theatre. 8 p.m. Room 105, Physical Science. Admission free.

## SUNDAY, MARCH 19

**Worship** — ANGLICAN EUCHARIST. 9:30 a.m. 9th floor lounge, Arts.

**Worship** — THE DISASTROUS FALSITY OF WESTERN CAPITALISM VIEW OF THE RIGHT WAY, by Professor Tom Settle, Philosophy. 10:30 a.m. Harcourt Memorial Church. Last of the Lenten Trilogy. All welcome.

**Worship** — R.C. MASS 11 a.m. War Memorial Lounge.

**Service** — BACCALAUREATE. Speaker: Rev. Roger Nostbakken, Chaplain, McMaster University. 3 p.m. War Memorial Hall. Tea following in Creelman Hall. Everyone welcome.

**Film** — WOODSTOCK. 6 & 9:30 p.m. War Memorial Hall. Free with Impact Card. Repeated same time and place on Monday, March 20.

**Film** — CIVILISATION, by Kenneth Clark. 7:30 p.m. Room 105, Physical Science. Admission free.

## MONDAY, MARCH 20

**Clinic** — FREE CHEST X-RAY, Rooms 6 & 7, Johnston Hall. Continues all week. Monday 1 - 5 p.m. Tuesday, Wednesday and Thursday 9 a.m. to 5 p.m. Friday 9 a.m. to 12 noon.

**Seminar** — REMOTE SENSING: THE WORK OF THE CANADIAN CENTRE AND ITS IMPLICATIONS FOR UNIVERSITIES, by Dr. L. W. Morley, Director, Canadian Centre for Remote Sensing, Department of Energy, Mines and Resources, Ottawa. 11 a.m. Room 204, Landscape Architecture.

**Seminar** — ANIMAL PRODUCTION IN EAST AFRICA: PROBLEMS AND POTENTIALS, by Dr. A. D. Tillman, Professor of Animal Science, Oklahoma University. 12 noon, Room 141, Animal Science/Nutrition.

## TUESDAY, MARCH 21

**Workshop** — APL, to provide a forum for discussing problems in using APL/370, and to present techniques of more than passing interest and usefulness. 7:30 p.m. Contact Ext. 3701, Institute of Computer Science, for further information.

**Meeting** — UNIVERSITY OF GUELPH SENATE. 8 p.m. Room 113, Physical Resources.

**Drama** — ELEKTRA, a tragedy by Hugo von Hofmannsthal. 8 p.m. Drama Workshop. Tickets at 50¢ available at Central Box Office. Continues nightly to Thursday, March 23.

## WEDNESDAY, MARCH 22

**Worship** — ANGLICAN EUCHARIST, 12 noon, 2nd floor lounge, Macdonald Hall.

**Discussion** — BIBLE STUDY. 5:15 p.m. Room 228, Arts.

**Radio** — ANALYSIS, news and comment from the University of Guelph. CJOY-FM. 106.1 7 p.m.

**Meeting** — SPANISH CLUB "EL CASINO" 7 p.m. 9th floor lounge, Arts. Spanish Night. Film and refreshments.

**Lecture** — SOUTH NAHANNI NATIONAL PARK, with film, by Peter Leseaux, Assistant Director, National Parks Branch. Sponsored by Landscape Architecture. 8 p.m. Room 105, Physical Science.

**Marriage Series** — THE LEGALITY OF IT ALL, by Michael Bean, Barrister. 8 p.m. 8th floor lounge, Arts. Last in the series on marriage.

**Meeting** — CREAMERY OPERATORS CONFERENCE AND ANNUAL MEETING. Food Science building. Contact: Dr. A. N. Myhr.

**Lecture** — SIMULATION AND MOTIVATIONAL MECHANISMS IN THE BRAIN, by Dr. Keith Oatley, Visiting Association Professor Department of Pathology, University of Toronto. 4 p.m. Room 318, Arts.

## THURSDAY, MARCH 23

**Meeting** — GUELPH CAMPUS COOPERATIVE, Board of Directors. 7 p.m. Room 209, OVC'

**Lecture** — THE LANGUAGE AND DIALECTS OF ITALY, by Professor Charles A. Zisa, Languages. 4th in the series On Italy and the Italians. 8 p.m. Music Room 107, Arts. Admission free.

**Lecture** — RALPH NADER, sponsored by the student government of the College of Social Science. 8 p.m. Physical Education gym. Tickets at \$1 are available at the Central Box Office. (See story in this issue of News Bulletin).

**Seminar** — THE EXPLANATION AND SIGNIFICANCE OF BIOLOGICAL RHYTHMS IN MOTIVATED BEHAVIOUR, by Dr. Keith Oatley, Visiting Associate Professor, Department of Pathology, University of Toronto. 10 a.m. Room 132, Arts.

## KEEP THESE DATES

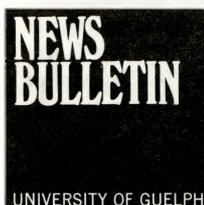
**Saturday, March 25** — Ontario Cooperative program of Latin American and Caribbean Studies seminar.

**Friday, March 24** — INTERNATIONAL SUPPER NIGHT.

**Sunday, March 26** — UNIVERSITY OF GUELPH CHOIR SPRING CONCERT.

**Wednesday, March 29** — SPRING FESTIVAL LUNCHEON, Cutten Club.

The News Bulletin is published every Thursday by the University of Guelph's Department of Information. News items must reach the editor, Mrs. Betty Keeling, at the Information office, Room 361, McLaughlin Library (Ext. 3863) by noon Friday. Articles and news items may be quoted or reproduced in full.



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