

### Alumni Weekend coming up

Guelph graduates are preparing to return to their Alma Mater for the 1981 Alumni Weekend festivities Friday, June 19, Saturday, June 20 and Sunday, June 21.

Traditional activities will include the Friday night beer garden, a Saturday pancake breakfast, alumni association annual meetings, a picnic lunch, tours and the alumni dance for everyone Saturday evening. On Sunday, the University of Guelph Choir will perform during the church service, which will be followed by a noon barbecue and an afternoon concert.

The Colleges of Arts, Physical Science, Social Science, Mac-FACS, OAC, OVC and the University of Guelph Alumni Association will all hold annual meetings on Saturday, June 20.

One of the highlights of the weekend will be a seminar Saturday for veterinarians and anyone related to the profession. Participants will learn some of the ways effective management, marketing and motivation can improve a practice. The seminar will be conducted by Bob Levoy, director of Professional Practice

Consultants, Great Neck, New York. The author of two books, *The Successful Professional Practice* and *The \$100,000 Practice and How to Build It*, Mr. Levoy is also a columnist for *Veterinary Medicine and Small Animal Clinician*.

#### Golden Anniversary Dinner

Alumni who graduated from OAC in 1931 or before will be honored by the OAC Alumni Association during the golden anniversary dinner Saturday evening in Peter Clark Hall. Mac '31 members will also be honored by the Mac-FACS Alumni Association at the same dinner.

#### Friends of University of Guelph, Inc.

Friends of University of Guelph, Inc. will be holding an informal meeting and reception at President Donald Forster's residence Saturday afternoon at 3:30 p.m. All alumni residents in the United States are members of the Friends of Guelph and are encouraged to attend.

#### Early Bird Elora Gorge Walk

A guided walk through the Elora Gorge Conservation Area will be sponsored by the College of Biological Science Alumni Association Saturday morning. Participants will be taken to the gorge by bus and will return to campus in time for the picnic lunch.

#### Alumni Foot Venture

A combination of time and skill will be required in the alumni foot venture. As well as individual trophies, a trophy will be awarded to the class which gains the most points during the foot venture.

The alumni foot venture, sponsored by the College of Social Science Alumni Association, is open to all alumni. It should take from one to one and one-half hours to complete. Start time is 9 a.m. with the last participants leaving at 10 a.m.

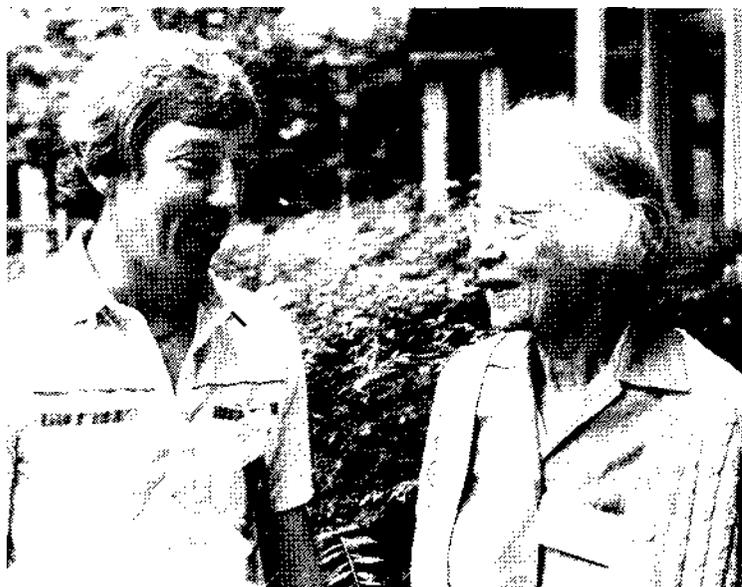
Complete details for Alumni Weekend are listed in "Next Week at Guelph." □

### Argos to mark "Guelph Day" <sup>11</sup>



Argo hopefuls were photographed in action during one of the many practice sessions held during summer camp on campus. The training camp broke last Sunday. Some 90 players started camp, but only 36 can be dressed for the first game of the regular season which is July 2 against Saskatchewan at Toronto Stadium. July 2 has been named "Guelph Day" at the Stadium, and members of the Guelph Minor Football Association are selling the \$8 tickets. For every ticket sold, the Argos will reimburse the Association \$1. Tickets are available from Al Corner, 824-9220.

## In pursuit of nanoplankton A tenacious "Miss Marple"



Prof.  
Larry Peterson  
and Dr. Manton.

Seventy-seven-year-old Dr. Irene Manton, Hon. F. R.M.S., approaches her research with the energy and enthusiasm of Agatha Christie's "Miss Marple."

A pioneer in the use of the electron microscope in botanical studies, Dr. Manton says her work still provides her with the elements of surprise, pleasure, even delight. The subject of one of her lectures published in the *Journal of Experimental Botany* in October, 1975, was "Microscopy for Fun." This provided the basis for her keynote address on the history of microscopy at the Canadian Botanical Association's annual meeting held on campus last week.

Dr. Manton, who took her Ph.D. and D.Sc. degrees from the University of Cambridge in 1923 and 1926, respectively, acquired a fascination for the microscope early: her dentist-father gave her one and she studied butterflies in the family garden. Later, she read "Wilson on The Cell," and found the study of chromosomes so thrilling that she decided to become a chromosome cytologist.

After she had learned the techniques of microtome sectioning and staining in Stockholm she was asked, when a lecturer at the University of Manchester (1929-1945), to look at a particular fern problem. This led to an intensive study of the chromosomes of ferns which she was still doing when she left Manchester at the end of the war to become professor and chairman of the department of botany at the University of Leeds (1946-1969). Her findings were published in a book, *Problems of Cytology and Evolution in the Pteridophyta* (Cambridge, 1950) which established her reputation world-wide.

About this time, Dr. Manton's interest was also kindled in the electron microscope. In 1950 she acquired one of the first 20 commercially produced in the world for her department at Leeds.

A Christmas study trip that same year had brought her additional information about two ferns, and within six weeks of the delivery of the electron microscope a paper on the findings was completed. The task was not easy, however. She recalls the problems of raising the money to purchase the machine and the difficulties in mounting the specimens for viewing. Her quest for techniques and devices for thin sectioning took her to the Rockefeller Institute in February, 1954, and she returned to Britain with a thin sectioning microtome. Two years later, again in the U.S., she acquired a special type of modified glass cutters' tongs.

With the aid of her electron microscope Dr. Manton has made some startling discoveries about the structure of cilia. In the late 1950's, her help was requested by Dr. M. Parke at the research station at Plymouth on a "morphological dilemma" with the study of the smallest marine flagellates, algae called nanoplankton. Dr. Manton is now considered a world authority on the ultrastructure of algae, says Botany and Genetics professor Larry Peterson. She has discovered 20 species of algae that before were not even recognized.

Today Dr. Manton is still in pursuit of nanoplankton. She has followed them from the cold waters of the Danish coast, across the Humboldt Current, to the Galapagos, to Hudson's Bay and Alaska. Studying them directly from the sea has added to her wealth of unpublished research findings.

In the conclusion to one of her papers Dr. Manton puts her finger on the abiding quality of her own career: "We need tenacity and the will to cling on against odds to reach something we believe to be important . . . Indeed, in my view, a willingness to take personal risks in support of one's hunches should perhaps be regarded, even in our own day, as pre-requisite to obtaining help from outside." □

## Top physics award to Prof. Nickel

Physics professor Bernhard G. Nickel is the recipient of this year's Herzberg Medal. It is known as Canada's most prestigious award in physics.

The medal, which will be presented during the Canadian Association of Physicists' annual convention in Halifax this week, recognizes the most significant contribution in the field of physics made by anyone under 37 years of age. It is named in honor of Dr. Gerhard Herzberg, of Ottawa, Canada's only Nobel prize winner in chemistry.

Prof. Nickel, who hails from Saskatchewan where he took his Master's degree in physics, went on to the University of California at La Jolla for his Ph.D. From there, he attended Cornell where he became involved in phase transitions. He was influenced by Dr. Ken Wilson and Dr. Michael Fisher who were finding new ways of explaining some of the observations made by experimenters. The subject remained a primary sphere of interest for Prof. Nickel, even after he left Cornell to join the University of Guelph in 1974.

Fisher and Wilson's theoretical discoveries led to conclusions which, although only slightly different from those obtained by older methods, were more in line with the observations made by experimenters. This encouraged them to publish their findings.

Prof. Nickel describes a phase transition as what happens when a material is changing from solid to liquid, or liquid to gas under the influence of temperature/pressure: "if you heat water in a pressure cooker, adding that water is not a preferred experimental material — you can tell that the bottom half is water and the top half steam. But, if you continue to raise the temperature/pressure, there comes a point where you cannot tell the difference between the two — where the distinction between what is a liquid and what is a gas is lost." The material is highly schizophrenic he notes, and the smallest disturbance will "tell" it to either condense into a liquid or evaporate into a gas.

Prof. Nickel's own research has focused on determining just what is happening at this precise moment. "There is much that I do not understand. Gas to liquid transitions, which interest people like Fisher and myself, are also of great interest to high energy physicists. They seem to be closely related to what happens in high energy accelerators where a large collection of particles appears to make simultaneous decisions. It is this which makes the work so difficult, since you cannot concentrate on just one molecule, but must calculate the effect of every molecule on every other one."

The Herzberg Award, in recognizing youth as well as excellence, marks an important vote of confidence by Prof. Nickel's peers in the future importance of such research. □

## Guelph explores linkage agreement with universities in Saudi Arabia

Clinical Studies professor, Dennis G. Howell, who is Acting Director of the Centre for International Programs, is back from a visit to Saudi Arabia. He was one of the delegates from each of four Canadian universities — Toronto, McGill, Concordia and Guelph - who were invited to explore the possibility of mutually beneficial links with the four universities in Saudi Arabia.

The mission originated from a suggestion by the Canadian Ambassador to Saudi Arabia. He had earlier received an invitation from the rector of Riyadh University. The welcome was "generous beyond description," reports Prof. Howell. "We were given celebrity media coverage everywhere and a wealth of hospitality which none of us will ever forget."

The delegation, accompanied throughout most of the visit by the Canadian Ambassador, was warmly received at the University of Petroleum and Minerals in Dhahran, the King Faisal University in Damman and Al-Hasa, the King Abdul Assiz University in Jeddah and the University of Riyadh.

"The mission was purely exploratory, but a number of specific areas of interest were identified in so far as Guelph was concerned," emphasizes Prof. Howell. These included

veterinary medicine, agriculture with particular reference to the irrigation and utilization of arid areas and desalination, and also in biotechnology. "We initialled a memorandum of understanding which agreed that these possibilities should be explored in greater depth."

The next phase of the process will be a visit to this University by two Saudi delegations from King Abdul Assiz University and King Faisal University, when further discussion will take place.

Prof. Howell outlines some of the possibilities — a consultation service, visit to Saudi Arabia by our faculty, accepting some of their people at Guelph as graduate students and hopefully, joint research.

The universities in Saudi Arabia lack very little in the way of physical plant, notes Prof. Howell. "Their technology is of the highest order, especially in the area of oil and minerals. They are, however, keenly aware that oil reserves, no matter how extensive, are a finite asset and they are wisely looking to a future which will call both for alternate forms of energy and a broader based industry including agriculture. The possibility of working with them cannot help but be exciting." □

## Library wins bid on material for Scottish Collection

The Library has received a grant of \$10,000 from the Social Sciences and Humanities Research Council special program called "fleeting opportunities."

The grant is for the purchase of a collection of Scottish material primarily dealing with, or published in, Glasgow.

Discovered in London, England, by John Moldenhauer, collections librarian, the Library had two weeks in which to make a bid for purchase. The SSHRC "fleeting opportunity" program is designed especially for this type of situation. With advice from Mr. Moldenhauer by telephone from England, and after consultation with the Department of History, appropriate forms were filled in and dispatched to Ottawa by courier. Approval from the library sub-committee at SSHRC was secured by telephone and Chief Librarian Margaret Beckman was notified of acceptance of the grant request on May 15, in time to Telex England and have Mr. Moldenhauer submit his bid.

This new addition to the Scottish Studies Collection will begin to arrive in the Library in three weeks, and will be processed over the summer months. □

## Sexuality conference attracts health professionals

In Search of Healthy Sexuality, the third annual conference on human sexuality sponsored by the Department of Family Studies, drew nearly 600 delegates last week to hear three well-known speakers and participate in workshops on various aspects of sexuality.

"Sexuality is a health issue," asserted Sandra Cole, an instructor in the department of physical medicine and rehabilitation at the University of Michigan School of Medicine. She opened the conference with an address "Sexual Health, Illness, Disease and the Life Cycle" in which she stressed the need to recognize and deal with the sexuality of all individuals, including those with mental or physical disabilities or disabilities brought on by aging. Health professionals have an obligation to help patients deal with their anxieties, fears and curiosities related to sexuality.

Shirley Wheatley, a nurse in private practice in Toronto, delivered an address stressing the particular misconceptions and double messages experienced by women regarding their sexuality.

Professor Claude Guldner, Family Studies, opened the third day of the conference with "Male Reactions to Changing Female Sexuality." He described the results of talking with many groups of men regarding their fears, anger, satisfactions, surprises, and changes in self image that have resulted from the women's movement. He indicated that few men have



*Ortho Award: left to right, Prof. Herold, FAGS Dean Janet Wardlaw, Dr. Laurence Russ, vice-president, research, Ortho Pharmaceuticals and recipient Kerry Daly.*

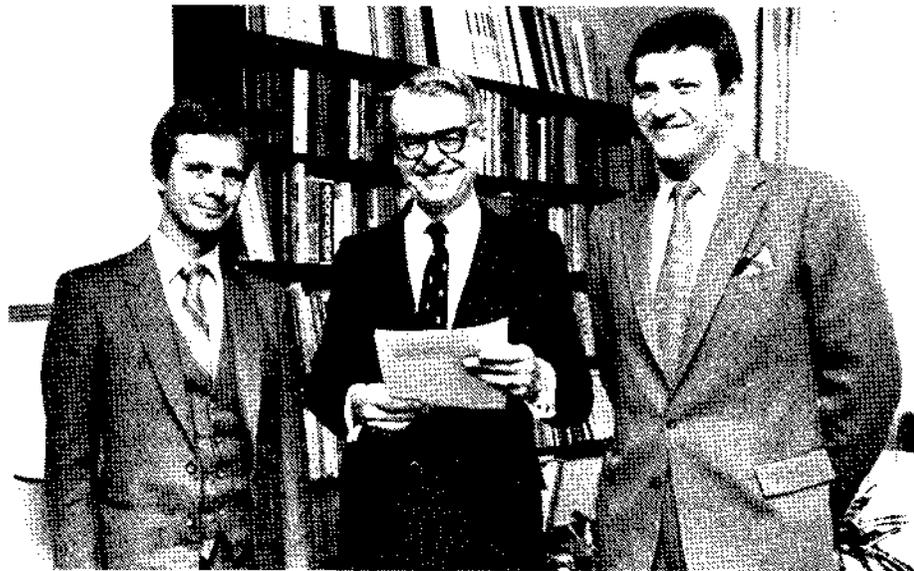
really come to terms with both the changed role of women and the resulting changes in their own sexuality.

As in previous years, the conference included workshop sessions as well as the major addresses. In these workshop sessions delegates were able to interact with professionals from other disciplines and learn new techniques and approaches to teaching sexuality.

The human sexuality conferences are part of a Family Planning Fellowship in the Department of Family Studies, supported by the Family Planning Division of Health and Welfare Canada. "The fact that our registration gets larger every year indicates that we are meeting

an important professional development need," observes Professor Ed Herold, Family Studies co-ordinator of the conference program committee. "We offer diverse workshop topics every year in order to meet the specific needs of our registrants."

A scholarship for graduate study in family planning from Ortho Pharmaceutical (Canada) was awarded for the first time during the conference. Kerry Daly, a Kitchener native and graduate student in Family Studies won the \$1,500 award which he plans to use to study natural family planning, and the satisfactions and dissatisfactions of couples using this method. □



Representatives for International Business Machine Company presented IBM's annual bursaries cheque to President Donald Forster recently. Left to right: Mal Palmer, marketing representative, data processing division, Kitchener; President Forster, and O11y Smolak, location manager, data processing division, Kitchener. The bursaries provide financial assistance to undergraduate students.

## Art Centre announces summer exhibitions

Over 11,000 people have visited the Macdonald Stewart Art Centre since it was opened last November.

A number of new exhibitions are planned for the summer, featuring regional and internationally known artists:

June 19 to July 19

A History of American Art Through Printmaking

The prints in this exhibition are representative of the major American art movements from the 18th to the 20th century. These include the Hudson River School, American Impressionism, Abstract Expressionism and Pop Art. The exhibition also provides visual documentation of the development of a variety of printmaking techniques. It is being circulated by the Western Association of Art Museums in San Francisco, and the prints are selected from the Wichita Falls Museum and Art Centre collection in Texas.

June 6 through August

Changes: Sculpture from Transition

Symbols based on primitive cultures and influenced by French artist, Matisse, decorate the bright, colorful building block cubes in this outdoor sculpture by Ted Turvey. A working model and explanatory panel will be mounted in the Art Centre while the sculpture is on display.

June 21 to July 19

Will Ogilvie: War Artist

This distinguished one-time resident of Guelph served in the Canadian Army from

1940 to 1946, rising to the rank of major.

He was an official war artist from January, 1943 on, serving in Britain, Sicily, Italy and Northwest Europe. This exhibition, organized by the National Museum of Man, features some of the work Will Ogilvie did in these theatres of war.

July 21 to August 23

Ribbons

Steel sculpture in colorful and dramatic shapes by Armand Buzbuzian (1950 to 1977) will be complemented by working drawings for the sculptures. Many of the pieces by this Guelph artist were inspired by Armenian history and legend.

July 23 to August 23

Lapsed Time ... Time Removed

This is a thematic exhibition in various media by members of the Phoenix Artists Co-operative, a group of artists from Wellington County and the southwestern Ontario region.

Late June to September

Selections from the Permanent Collection

This exhibition will include historic and contemporary Canadian art.

Admission is free to the Art Centre and tours are available. The Art Centre hours are: Monday, closed; Tuesday to Friday, noon to 5 p.m.; Saturday, 10 a.m. to 5 p.m. and Sunday, 1 p.m. to 5 p.m. Gallery Shop Hours are: Tuesday to Sunday, 1 p.m. to 4:30 p.m. □

## Zoology people play big role at Society meeting

Graduate students, staff and faculty members of the Department of Zoology, played significant roles at the meeting of the Canadian Society of Zoologists held at the University of Waterloo.

Thirty-one scientific papers (18 per cent of all papers presented) came from the Department of Zoology — the largest number of papers from any one university or research institute. Five of the 31 papers were invited papers.

Dean Keith Ronald delivered the annual Fry Lecture to the Society. Professors J.C. George and D.M. Lavigne, each gave a paper at the symposium on bioenergetics. Professor J.P. Bogart gave a paper at the symposium on biogeography, while Professor E.D. Stevens spoke at the George Holten Memorial symposium.

Dean Ronald was awarded the Fry Medal, an annual award given by the Society to honor a distinguished zoologist for his scientific contributions.

David Green, a doctoral student, was awarded the Hoar Medal for the best student paper. There were 54 student papers in this year's competition.

In the parasitology section of the society, Professor R.C. Anderson was elected chairman of the section. In the same election, Professor P.T.K. Woo was elected secretary/treasurer for a three-year term, while Professor Beverley-Burton was elected councillor for two years. □

"85-220 — INTRODUCTION TO WOMEN'S Studies" will be offered in the fall semester on Tuesday evenings from 6:30 p.m. to 9:30 p.m. in Room 311 Hotel and Food Administration building. This information does not appear in the Undergraduate Course Timetable distributed in the early spring.

The multi-disciplinary, team-taught course examines basic ideas about the nature of women and the consequences of these ideas to women in a variety of societies during different periods in time. The course involves faculty members from the Colleges of Arts, Family and Consumer Studies, and Social Science, and students from most Colleges on campus.

Further information may be obtained from the co-ordinator, Professor Joanna Boehnert, Psychology, Ext. 3517.

OVER ITS FIRST 18 MONTHS of operation, the University's Speakers' Bureau has placed more than 150 faculty, staff and students with groups in the Guelph area and as far afield as Kemptville. A new brochure is now being produced, and faculty and staff are asked to provide bureau co-ordinator Ann Middleton, Department of Information, with up-to-date listings. A letter has been sent to all faculty members and professional staff with a form for new or revised topics to be submitted. However, if you have been overlooked, please contact Mrs. Middleton by mail or at Ext. 8708.

## Library to participate in iNET field trial

The Library has been invited to participate in the field trial of a new intelligent telecommunications concept, "iNET Gateway," which is being developed by the Computer Communications Group of the Trans Canada Telephone System. The one-year field trial is scheduled to begin in mid-1982, and will involve participants interested in bibliographic network communications, as well as other market sectors.

The iNET Gateway concept has evolved in recognition of the requirement for more universal accessibility to information providers and other computer-based services, notes Associate Librarian, John Black. iNET Gateway will offer a single point of access to satisfy a number of information needs. A wide range of features such as an electronic directory of available services, automatic access to

connected hosts, individual user profiles recognized by the network and consolidated billing will create a user-oriented information environment.

In its operational form, iNET Gateway will be accessible from virtually any location in the country using standard alpha-numeric or alpha-geometric terminals via Datapac, Direct Distance Dialing or dedicated circuit service. Since it has access to Datapac, it will be able to link to the United States and other international packet switched networks.

The National Library of Canada is coordinating the bibliographic interest group in the field trial. Other libraries invited to participate include the Canada Institute for Scientific and Technical Information and four universities — Carleton, Quebec (at Montreal), Waterloo and Guelph. □

Dr. A. Fekete

Dr. Andras Fekete of the National Institute of Agricultural Engineering in Hungary visited with School of Engineering's Peter Southwell and John Ogilvie. Dr. Fekete was also a guest of the mechanical engineering department at Carleton University for six weeks working with Carleton's international program.

Professor J.R. Mallory

R.B. Angus Professor of Political Science from McGill University, J.R. Mallory is a visiting professor in the Department of Political Studies.

During his stay, Prof. Mallory gave a public lecture on "The Supreme Court and the Canadian Constitution."

## Putting Guelph on the map

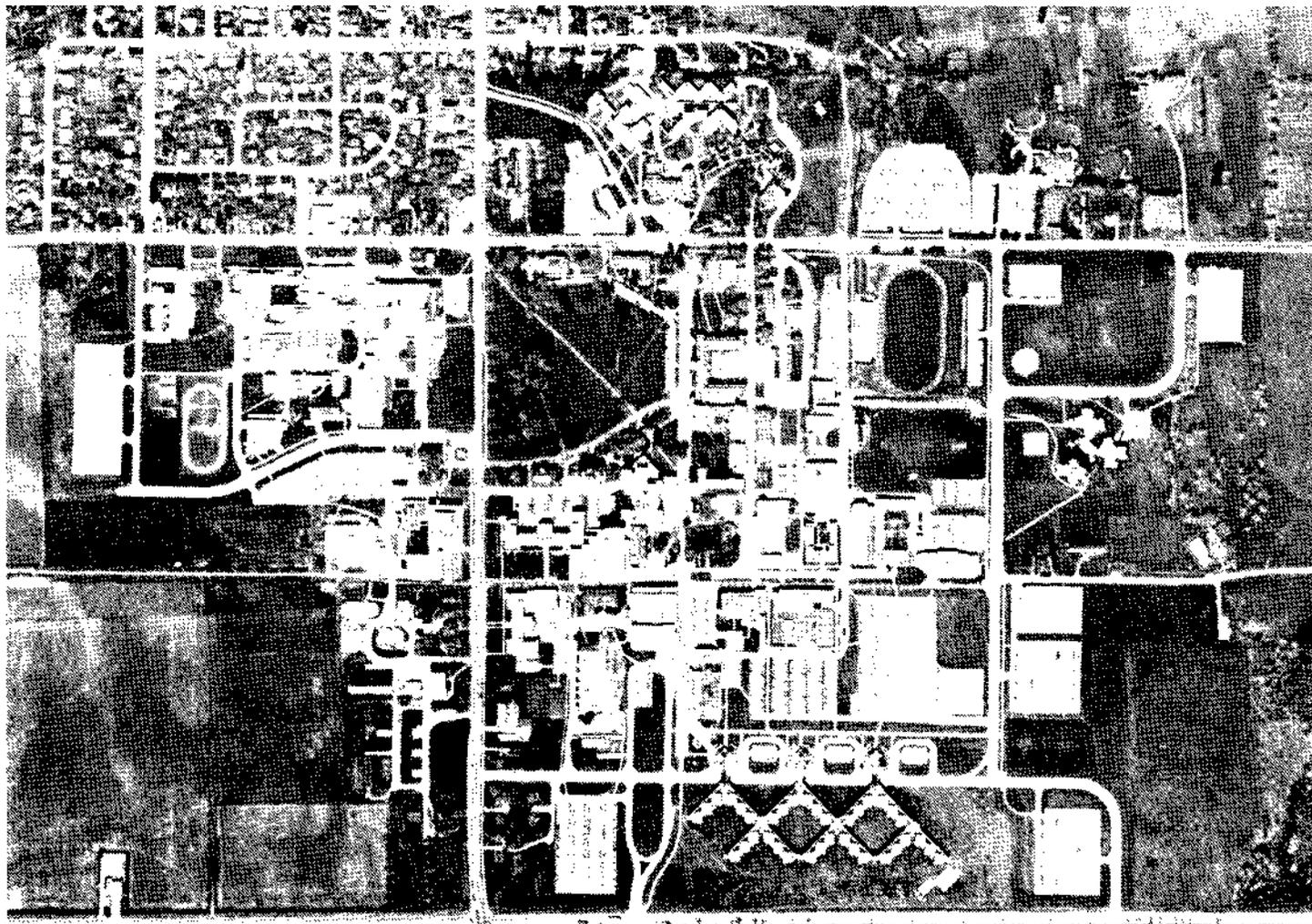


Illustration Services photographer David Helsdon has completed a new aerial photograph of the University campus. The last one was done in 1974. Twenty-four photographs were pieced together to produce the four-foot by six-foot aerial view which will be used for planning purposes by the Department of Physical Resources's planning department and parking administration. Shot during a one-hour flight over the campus in May, the aerial view takes in a 2.4 kilometre by 4.4 kilometre area from the Victoria Road to the Hanlon Expressway and from the Speed River to the most southern boundaries of the University's properties. A 5" by 7" copy of the photograph may be obtained from Illustration Services by quoting the print number, 81-38. A College of Social Science faculty member has his copy already; he is using it to map out his jogging path.

### Art Museums Representative

Judith Nasby, director, Macdonald Stewart Art Centre, has been invited to serve as the Canadian representative for the Western Association of Art Museums. This is the largest non-profit art gallery association in the United States which serves over 400 museums in the U.S. and Canada, with travelling exhibitions and professional development programs.

### Visitor

David Backham of the Scottish Institute of Agricultural Engineering was a recent visitor to the School of Engineering where he discussed, with Professor J.H. Lee, the depth of primary tillage. He also visited the Elora research station to observe seeding of tillage plots.

### Travels and Seminars

Professor Norma V. Bowen, Psychology, gave the keynote address at "Dialogue '81" at the University of Toronto, Erindale College. She spoke on "The Myth of Minorities: Educating for Differences or for Deficiencies." The theme of this year's program was "The Education of Minorities: Needs and Responses."

Director of Athletics and head basketball coach, Gib Chapman, acted as a clinician at the annual Medalist Coaching Clinic held in Niagara Falls, New York.

Joining the Gryphon head coach were Dale Brown of Louisiana State, coach of the year in the South East Conference (SEC); George Blaney of Holy Cross, and Hank Raymond, the popular coach of Marquette.

Chapman, who piloted the Gryphons to a first place finish in the OUAA's West Division and coach of the year for the second straight season, spoke at two sessions "Matching Zone Defences" and "The Guelph Offence." Participants at the clinic included high school and university coaches from New York, Pennsylvania and Ontario.

Amy Cousineau, Family Studies, attended the annual conference of the Ontario Association of Family Service Agencies. During the conference she chaired a discussion on credit counselling. Mrs. Cousineau also attended a conference of the Ontario Association of Credit Counselling Services. Mrs. Cousineau is past-president of this Association, and chairman of the nominating committee.

Professor P. Cross and W. Frisbee, Consumer Studies, presented papers at the annual conference of Administrative Sciences Association of Canada at Halifax, Nova Scotia.

Prof. Cross's paper was titled "The Marketer as a Communication Link in the Quality Era" and Prof. Frisbee's was "Application of Conditional Demand Functions and Household Production Models to Consumer Behavior Research."

**Professor R.E. Vosburgh**, chairman, Consumer Studies, and FACS Dean J.M. Wardlaw, were also in attendance at this conference.

Professor Peter **Hardwick**, Music, attended the 1981 Learned Societies Conference at Dalhousie University, Halifax, where he presented a paper, "William Mathias: A Welsh Traditionalist," to the Canadian University Music Society.

**Professor Doug Killam**, chairman, English Language and Literature, spoke on "Punctuation and Grammar for the Court Reporter" at the 91st annual general meeting and convention of the Chartered Shorthand Reporters' Association of Ontario held in Toronto.

Prof. Killam also organized a panel on "Literature, Traditional Thought and Religions" for the 11th annual conference on the Canadian Association of African Studies (CAAS) held at the University of Calgary. The participants were Kwasi Wiredu of Ghana; Dr. S. Arnold from Alberta, Professor Joan Rayfield from York University and Professor John Povey from UCLA.

A paper entitled "Introversion-extraversion and Auditory Vigilance Performance: Problems with Median Split Designs," was presented by Psychology **professor Karen Korabik** and Serena Atwood of Wilfred Laurier University at a meeting of the Midwestern Psychological Association held in Detroit.

Professor Luis Lozano, Languages and Literatures, attended the 17th annual congress of the Canadian Association of Hispanists held in Halifax in May where he submitted a paper, "Bohemia in Madrid at the Beginning of the Century."

Professor Alex **Michalos**, Philosophy, participated in the national conference on the Evaluation of Research in Social Science held at Grand Mere, Quebec. The participants discussed the possibility of assessments of particular disciplines, public perceptions of and education in, social sciences.

Professor Michael **Moss**, Geography, attended the international congress, "Perspectives on Landscape Ecology" organized by the Netherlands Society for Landscape Ecology at Veldhoven, Holland. He presented a paper, "Rural Land Development and Evolving Landscape Ecologies in Peninsular Malaysia" and acted as chairman for the workshop "Landscape Ecological Problems in Tropical Rainforest Areas."

Dr. Jim Patterson, Small Animal Clinic, OVC, participated in two afternoon sessions of the Quinte District Veterinary Association's "What's New Day" held at Brighton. He spoke on "Diagnosis of Urinary Tract Diseases in Small Animals," and "Biopsy Techniques Applicable to Small Animal Practice."

**Professor David Piggins**, Psychology, presented a paper at the annual conference of the Canadian Society for Color held in London.

He also had his note, "Perceptual Topology" featured on the front page of *Physics 13 News*, a magazine published by the University of Waterloo for high school and first-year university physics students.

**Professor John Powell**, Human Biology, gave four lectures at John F. Ross CVI's speaker's day. His subject was "Sports Injuries — Prevention and Cure."

Prof. Powell, has also been invited by the Hellenic Olympic Committee to act as discussion leader and recorder at four conferences being held between June 15 and July 21 in Athens and in Ancient Olympia. He has also been invited to pre-

sent three lectures to the following groups: "Some Opinions of Philosophers and Poets Regarding Ancient Greek Athletic Festivals," to the second special session for members and staff of National Olympic Committees of Arab Countries June 12 to June 22 at Athens; "An Olympic Life," to the third special session, June 22 to July 5, also at Athens, and "Leadership in Olympism" at the 21st session of the International Olympic Academy July 5 to July 21 at Ancient Olympia.

Professor J.T.A. Proctor, Horticultural Science, gave an invitational lecture, "The Effect of Shade on Cultivation of American Ginseng, *Panax quinquefolius* L.," at the Third North American Ginseng Conference in Asheville, North Carolina. The conference included speakers and participants from many parts of the United States, Canada and Korea.

Professor S. Safe, Chemistry, presented a lecture in the interdisciplinary toxicology program at the University of Toronto on "The Toxicity of Halogenated Aromatics." He also presented a seminar entitled "PCBs — Structure-Activity Rules," at the McArdle Institute for Cancer Research, University of Wisconsin, Madison.

Prof. Safe also was invited to address the Symposium on the Treatment and Disposal of Hazardous Wastes held in Toronto. His topic was "Hazardous Organic Wastes."

**Professor Joan Simon**, Consumer Studies, attended the annual meeting of the Canadian Housing Design Council where she presented a discussion paper on residential rehabilitation. She was re-elected Ontario regional chairman and to the board of the Council.

Professor Gilbert Stelter, History, presented a paper, "The City-Building Process in Canada: A General Interpretation," to the annual meeting of the Organization of American Historians meeting in Detroit. He also delivered a lecture, "Community Power Structures and Understanding Canadian Urban History," to history and political science students at the University of Windsor.

Professor **K. Victor** Ujimoto, Sociology and Anthropology, presented an invited paper, "Gerontological Theories and Aged Asian Canadians" at the 41st annual conference of the Society For Applied Anthropology, University of Edinburgh, Scotland.

At the conference, he also chaired the session, "Evaluation of Current Studies on Asian Immigrant Adjustment: Implications For Applied Research and Social Policy."

**Keypunch Operator**, Computer Operations. Maternity leave. Salary range: \$199.55 - \$289.81. Unit Manager, Food Services. Salary range: \$337.23 - \$446.30.

**Technician**, Grant Position, Horticultural Science. Salary range: \$260.23 - \$373.15.

**Central Reservations Clerk**, Conferences and Central Reservations. Salary range: \$199.55 - \$289.81.

**Cooks, Head Cooks, Head Cafeteria Helper**, Food Services. September, 1981 - April, 1982. Direct letters of application to Food Services, University of Guelph, Guelph, Ontario.

## Goods and Services

For Sale — 1973 GMC ½ ton pick-up truck, WA" Pelham bit with curb chain, 7 week old kittens (free) 843-5778 after 6 p.m.; Music Man bass guitar, 824-5865 after 4 p.m.; 2 pc. green and gold sectional sofa, matching lamps, dinette set with 4 chairs, Ron, 3910; 1946 Chevy pick-up, 35,000 miles, Patti (416) 659-3968 after 6 p.m.; 1973 4-door Volvo, 80,000 miles, new paint, 821-9376; 1977 Pontiac Catalina station wagon, 836-5195 evenings; case (24 litres) oil 10W40, 822-8628; seven pc, chrome dining suite, six shelf colonial style wall unit, 837-3574; antique oak dining room table and chairs, wardrobe, fruit cupboard, desk and two dressers, 824-7539; 4 used, 14" Michelin tires, 821-2666; motorcycle, snowmobile trailer, 836-6694; 15 029 keypunch machines, 3 Heathkit oscilloscopes (kit 10-4510), contact surplus sales, 8139.

Wanted — Guelph Ph.D gown, K. Blackwell (416) 627-9640.

## Accommodation

For Sale — Four bedroom sidesplit, pool sized lot, Harcourt Drive, private sale, 821-5645 after 6:30 p.m.

For Rent or Sale — Three bedroom condominium apartment, 836-2696 evenings.

To Sublet — Two bedroom apartment, starting July 1, close to campus and shopping, rent includes heat and hydro, 836-3519 after 5 p.m.

**For Rent** — Fully furnished 3 bedroom house with finished basement, near campus, to family only, from September 1981 to August 31, 1982, 836-1397 or 823-1328; three bedroom cottage, 6 beds, fully furnished, on lakefront, Bruce Peninsula, 823-1328; furnished sabbatical home, near University, September 1, 1981 to June 30, 1982, 824-7963; spacious 4-bedroom townhouse, partially furnished, near campus, for 8 or 12 months beginning August, 1981, Prof. Gottlieb, 837-1027; spacious cottage, newly constructed, 3 bedrooms, fireplace, at Red Bay on Lake Huron, Karen, 623-3587 after 5:30 p.m.

A new format for the annual University of Guelph basketball tip-off tournament has been announced by Gib Chapman, Director of Athletics and head basketball coach. It includes the expansion of teams to six, rather than the traditional four team concept.

Three Ontario teams, Brock, Laurier and the Gryphons, will host McGill, Dalhousie and the University of Michigan, Dearborne in the three-day event to be held on campus November 12, 13 and 14.

Mr. Chapman expresses excitement over the new format which will bring exciting university basketball action to the Royal City. □



**ENERGY CONSERVATION  
IS AT YOUR FINGERTIPS  
SWITCH IT OFF**

**JAIL AND SPAGHETTI LOVERS** are sought for the "All You Can Eat" night at the Faculty Club Friday, June 19. Cost is \$4 per person. Make reservations at Ext. 8578.

**THE COMMUNITY BARBECUE** will be held Thursday, July 16, in Branion Plaza, starting at 4 p.m. More details will be published closer to the date.

**SEVERAL ITEMS** are for sale to the public on a cash-and-carry basis or bid basis Friday, June 19, 10 a.m. in Blackwood Hall. Bids will close Friday, June 26 at 10 a.m. The items are: IBM dictating equipment; adding machines, mono tape decks, photographic print dryer, model 52 Pako Pakconomy (bid), two electric and two manual typewriters (bid), two Gestetner machines (bid), Gestetner cabinets, paper, Stencil 62X, Autoclave model 60 ct (bid), Fire Safe 40" w x 61 ¼" h x 33" d (bid).

**AN ART**, craft and hobby display will be a part of the University of Guelph community barbecue Thursday, July 16. The purpose is to acquaint other members of the University community with the creative talents on campus. This will be a display only; there will not be any prizes and no sales will be permitted. If you would like to exhibit, contact the community council, Room 346, level 3, University Centre.

**THE GUELPH YOUTH ORCHESTRA**, established in 1978 to fill a need in the community for a youth orchestra where young local instrumentalists could develop their musical talents, is seeking financial support. For more information contact Languages and Literatures professor, Neal Johnson, Ext. 3168. Prof. Johnson is president of the group's board of directors.

Ayers, H.D., 1981. "Farm Ponds," *Notes on Agriculture* 17(1): 19-20 (School of Engineering).

Crowley, T.A., 1981. Review of John Lownsbrough, *The Privileged Few: The Grange and Its People in the Nineteenth Century*, Ontario Museums Association Quarterly, 10: 26-27 (History).

Crowley, T.A., 1981. "Monuments to Empire: Atlantic Forts and Fortifications," *Acadiensis, Journal of the History of the Atlantic Region*, 10: 167-172 (History).

Herold, Edward S., and Marilyn S. Goodwin, 1981. "Premarital Sexual Guilt and Contraceptive Attitudes and Behavior," in *Family Relations* 30: 247-254 (Family Studies).

Hilton, J.W. and S.J. Slinger, 1981. "Nutrition and Feeding of Rainbow Trout," *Can. Spec. Publ. Fish. Aquat. Sci* 55: 15 (Nutrition).

Irwin, R.W., 1981. "Cisterns for Domestic Water Use," *Notes on Agriculture* 17(1): 20 (School of Engineering).

Irwin, R.W., 1981. "Hot Water," *Notes on Agriculture* 17(1): 21 (School of Engineering).

Irwin, R.W., 1981. "Water Needs on the Farmstead," *Notes on Agriculture* 17(1): 4-8 (School of Engineering).

**A SALUTE** to the Guelph Horticultural Association for 75 years of service will mark this year's "Horticulture Day" at the Arboretum Centre, Saturday, June 27.

The morning program will include the rose and perennial show, and a mini-flower show with designs to commemorate the anniversary. Tours of the Arboretum's collections and the J.C. Taylor Nature Centre will round out the morning program.

The afternoon program will feature the dedication of memorial trees, a slide presentation by Bob Keith of CBC's "Ontario/Quebec Gardener" program, and a panel discussion on gardening problems with Scotty Allan, Jack Eggens, Chuck Kelly, Ted McNinch and Mr. Keith.

Open from 11 a.m. to 4:30 p.m., admission is free. For more details, contact Arboretum Director, Professor E. Jorgensen, Ext. 2113.

**THE UNIVERSITY CENTRE'S** Royal Alex Shuttle will take theatre-goers to see Neil Simon's Broadway hit "They're Playing Our Song" Thursday, July 16.

The trip is \$17 per ticket, which includes a good orchestra seat and return transportation in a travel cruiser. The bus leaves the University Centre at 6:30 p.m. Tickets are available at the central box office, level 1, University Centre, Ext. 3940.

This is the final Royal Alex Shuttle of the 1980-1981 season. The University Centre plans to offer two shuttle trips to each production commencing in the fall.

**A WINE-TASTING** will be held at the Faculty Club Wednesday, June 17, 8 p.m., with Norman Gilchrist Limited representative Alan Telfer. Cost is \$5 per person. Telephone reservation to Ext. 8578.

Johnston, G.R. and R.G. Rowberry, 1981. "Yukon Gold: A New Yellow-fleshed, Medium-early High Quality Table and French-fry Cultivar," *Am. Potato J.* 58: 241-244 (Horticultural Science).

Newman, Jay, 1980. Review of William Hare, *Open-mindedness and Education*, in *Laval Theologique et Philosophique*, 36: 331-332 (Philosophy).

Piggins, David, 1980. "The Cheshire Cat and the Stabilised Retinal Image," *Jabberwocky*, journal of the Lewis Carroll Society, 9(2): 42-45 (Psychology).

Posiuszny, U., 1981. "Unicarpellate Floral Development in *Potamogeton Zosteriformis*," *Canadian Journal of Botany*, 59(4): 495-504 (Botany and Genetics).

Powell, John T., 1981. "Creating an Olympic World," *Proceedings, National Olympic Academy IV, Indiana University 1*, April: 191-206 (Human Biology).

Rasper, V.F., 1981. "Fractionation of the Insoluble Residue in Dietary Fiber Analysis," in W.J.T. James and O. Theander, eds., *The Analysis of Dietary Fiber in Food*, New York: Marcel Dekker Inc., pp. 29-36 (Food Science).

Rasper, V.F., 1981. "Analysis and Testing of Non-digestible Polysaccharides," *Cereal Foods World* 26 (5): 228-233 (Food Science).

# Next Week at Guelph

## THURSDAY, 81 06 18

UC Noon Concert - TRADITIONAL STEP DANCING with "The Mulligan Dancers," 1200, Branion Plaza. UC courtyard, if weather is unpleasant.  
Bullring Patio - EXTENDED HOURS, 1200 to 1900. Continued on Friday.  
University of Guelph Cycling Club - PLANNED RIDES, 1730, meeting at UC south entrance. Contact David Laidlaw, 837-1732.  
Renaissance Choral and Instrumental Music - SUMER IS ICUMEN IN (4), 2000, Dublin Street United Church. The choir and soloists of Dublin Street Church, under the direction of Gerald Manning. Silver collection.  
Disco - 2100, Bullring. Continues nightly till Saturday.

## FRIDAY, 81 06 19

Exhibits - A HISTORY OF AMERICAN ART THROUGH PRINTMAKING, until 81 07 19; CHANGES: SCULPTURE FROM TRANSITION, until August, Macdonald Stewart Art Centre.  
Seminar - THE MEAT AND POULTRY INDUSTRY OF BRAZIL, Dr. I.S. Schneider, associate director, Faculdade De Engenharia De Alimentos E Agricola, University Estadual De Campinas, Campinas, Brazil, 1100, An. and Poul. Sc. 141.  
Worship - MUSLIM FRIDAY PRAYERS, 1230, Chapel, level 5, UC.  
Alumni Weekend - CHECK-IN and REGISTRATION, 1600 to 2000, Lambton Hall foyer; DINNER (cash basis), 1800, Der Keller; RECEPTION AND DINNER (OVC '41), 1830, UC 441; RECEPTION AND DINNER (OVC '51), 1830, The Whippetree, UC; GERMAN BEER GARDEN AND DANCING, Oompahpah Music of the Edelweiss Trio, 2030, Lennox-Addington Hall and Patio. Sponsored by the College of Biological Science Alumni Association.  
Faculty Club - WANTED: JAIL AND SPAGHETTI LOVERS, 1930 to 2130, Faculty Club, level 5, UC. All you can eat: \$4. Reservations: Ext. 8578 or 824-3150.  
Friday Flicks - MOTEL HELL, 2000, PS 105.

## SATURDAY, 81 06 20

Alumni Weekend - OUTDOOR PANCAKE BREAKFAST, 0730 to 0900, lawn near Branion Plaza; ALUMNI FOOT VENTURE, 0900, from Branion Plaza; PRACTICE MANAGEMENT IN TOUGH TIMES SEMINAR, Bob Levoy, Professional Practice Consultants, Great Neck, N.Y., 0900 to 1200, 1330 to 1530, PS 105. EARLY BIRD ELORA GORGE WALK, 0900, bus leaves from Bullring.  
Mac-FACS ALUMNI ASSOCIATION ANNUAL GENERAL MEETING and TOUR, 1000, lecture room, Macdonald Stewart Art Centre. OAC ALUMNI ASSOCIATION ANNUAL GENERAL MEETING, 1100, PS 113. ANNUAL GENERAL MEETING COLLEGE OF SOCIAL SCIENCE ALUMNI ASSOCIATION, 1100, fireside lge., Lennox-Addington; UNIVERSITY OF GUELPH ALUMNI ASSOCIATION annual general meeting and presentation of 1981 Alumnus of Honor to C. Edith Weir, Mac '40 and Alumni Medal of Achievement to Brenda Elias, FACS '75 and Don Ziraldo, OAC '71; CAMPUS WAGON TOURS (cancelled if raining) and TOURS of Macdonald Stewart Art Centre, 1430, meeting at Branion Plaza.  
FRIENDS OF UNIVERSITY OF GUELPH, INC. general meeting and reception, 1530, President's residence. RECEPTION and GOLDEN ANNIVERSARY ALUMNI DINNER, honoring OAC and MAC '31, 1700, PCH. COLLEGE OF PHYSICAL SCIENCE ALUMNI ASSOCIATION ANNUAL GENERAL MEETING, 1700, UC 429. COLLEGE OF ARTS ALUMNI ASSOCIATION ANNUAL GENERAL MEETING, 1700, UC 430. OVC ALUMNI ASSOCIATION RECEPTION and ANNUAL DINNER MEETING, 1830, UC 103. CLASS REUNION RECEPTIONS and DINNERS, RECEPTION and BUFFET DINNER, alumni from the Colleges of Arts, Biological Science, Physical Science, and Social Science,

1830, Faculty Club, UC. ALUMNI DANCE for ALL ALUMNI and FRIENDS, 2130, PCH, UC.

## SUNDAY, 81 06 21

Exhibit - WILL OGILVIE: WAR ARTIST, until 81 07 19, Macdonald Stewart Art Centre.  
Alumni Weekend - CONTINENTAL BREAKFAST, 0830, Lennox-Addington Hall cafeteria and patio. CHURCH SERVICE, Rev. William Lewis, OAC '61, University of Guelph choir, 0945, WMH. ALUMNI BARBECUE, 1145, Lennox-Addington patio. MUSIC OF VIVA, trio, courtesy of the Department of Music, 1330, Arts 107.  
University of Guelph Cycling Club - PLANNED RIDES (Cambridge), 0900, meeting at UC south entrance.  
Worship - CATHOLIC MASS, 1010, UC 103; MUSLIM ZOHR PRAYERS, 1330, 9th fl. lge., Arts.  
University Bible Studies - CAMPUS CHURCH SERVICE, 1030, Arts 117a.  
Concert - PIANO MUSIC OF BACH, BRAHMS AND BARBER, performed by Alison MacNeill, Robert Miller and Beth Beech, 1600, Harcourt Memorial United Church. Proceeds to the piano-organ fund.

## MONDAY, 81 06 22

Biomedical Sciences Seminar - THE ROLE OF THE OVARIAN FOLLICLES IN UTERINE CONTRACTIONS ASSOCIATED WITH OVULATION AND OVIPOSITION, Dr. Kiyoshi Shimada, dept. of animal physiology, Nagoya University, Nagoya, Japan, 1100, Biomed. Sc. 309.  
ICS Course - INTERMEDIATE SPSS, Lex Ross, 1830, ICS. Register: Ext. 3046 between 1300 and 1630.

## TUESDAY, 81 06 23

Instructional Development Workshops - TEACHING SKILLS, co-leaders Prof. Ted Valli, Pathology, and Mei-fei Elrick, Office for Educational Practice, 0900 to 1630. Continues 81 06 24. Information: Ext. 3522.  
Summer Shuttle - TONS OF MONEY, at the Shaw Festival, Niagara-on-the-Lake. Bus leaves UC south Entrance at 1800. Ticket, including return transportation, \$20.  
French Film - LE TEMPS DE L'AVANT, social and psychological effects of contraception and abortion, winner of the Brussels Film Festival prize, 1930, LA 204. Admission free.  
Meeting - SENATE, 2000, PS 105.

## WEDNESDAY, 81 06 24

Biophysics and Biochemistry Seminar - HOST-CELL PARASITE INTERACTION IN THE COCCIDIA, M.A. Fernando, 1200, PS 222.  
ICS - APL JAM SESSION, G. Wade, 1400, ICS. Register: Ext. 3046 between 1300 and 1630.  
Intervarsity Christian Fellowship - OUR WALK WITH CHRIST, 1800, place TBA in UC 226. Contact Keith Morrison, 821-3824.  
Wednesday Evening Excursion - POND STUDY, 1900, meeting at J.C. Taylor Nature Centre. Cancelled if raining by 1700.  
Free Summer Films - A NOUS LA LIBERTE, Clair, France 1935, and LA GRANDE ILLUSION, Renoir, France 1937 (both with subtitles), 1900, LA 204.  
Dancing - 2100 to 0100, Bullring. Continues nightly to Saturday.

## THURSDAY, 81 06 25

UC Noon Concert - JAIL WITH "KINESIS," 1200, Branion Plaza. UC courtyard in case of rain.  
University of Guelph Cycling Club - PLANNED RIDES, 1730, meeting at UC south entrance. Contact David Laidlaw, 837-1732.

Postage-Paid-In-Cash At **Third Class Rates Permit 1149, Guelph, Ontario.**



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