

Bigger and better than ever

College Royal '79 gets under way tomorrow evening, Friday, March 2, with a *kick-off Pub*, featuring "Shooter," at 20:00 in Peter Clark Hall. On Saturday, March 3 at 08:30, girls will be encouraging their male collaborators to make the most delectable, succulent apple-sauce cake ever, in the kitchens of the Family and Consumer Studies building. The second section of the *Cake Baking Contest* begins at 12:30.

Meanwhile, starting at 09:00, the traditional *Evaluation Competition* of livestock will take place in the Judging Pavilion. The judging and baking over for the day, happy ticket holders will assemble at 20:00 in the courtyard and in Peter Clark Hall of the University Centre for the *College Royal Ball*. Since the theme this year is "A Floating World," the courtyard will be transformed into the gondola of a balloon floating above the earth, and stopover points will be created in other areas. For the first time ever, two bands will be in full swing: the Ed Graff Orchestra in the courtyard and the Early Ray Band in Peter Clark Hall.

Student finalists will show off their Thespian abilities and the winner will be chosen, at *Talentfest '79*, Sunday, March 4 at 19:30 in War Memorial Hall. Similarly, on Monday, March 5 students will have an opportunity to exercise their oratorical powers in a *Public Speaking Contest* starting at 20:00 in Room 103 of the University Centre. (See *News Bulletin* of 79 02 08 for details.)

"My Fair Aggie" is the title of this year's festival of in-jokes and good-natured gibes known as *Curtain Call*. Performances will take place Wednesday to Saturday at 20:00 in War Memorial Hall.

The College of Social Science Alumni Association is sponsoring a College Royal Clubs *Pub Night* Thursday, March 8 at 19:00 in Room 103 of the University Centre. This informal get-together of Social Science alumni and undergraduates will be a first for College Royal. Representatives from the Politics Club, Geographical Society, Psychology and Economics Clubs will also be invited guests. Everyone in Social Science is invited to come.

Another old favorite, the *Dog Show*, takes place on Friday, March 9 at 18:30 in the Arena, followed at 20:00 by the *Fashion*

Show in Peter Clark Hall. What a far cry that show will be from "the new phase of college life" that was introduced into College Royal by the Macdonald Institute back in 1927! Students will present five shows this year — the largest number so far. Fashions, tying in with the theme, "The City," have been designed, made and are to be modelled by the students. Admission is \$1 (general) and 75 cents for children.

Open House Weekend

Saturday, March 10 and Sunday, March 11 is College Royal and University Open House weekend. Full details on displays will be in next week's *News Bulletin*. □



Operating income announced

The University of Guelph will receive about 4.3 per cent more in operating income in the next fiscal year, President D.F. Forster has announced. The increase compares to a 5.4 per cent increase in the current year and with a 9.1 per cent increase in 1977-1978. While not unexpected, the small increase will require the co-operation of the whole campus community in keeping expenses down, the President stated. The increase, he added, is considerably less than the inflation rate and below the amount both the Council of Ontario Universities and the Ontario Council on University Affairs argued was necessary.

Operating funds for Ontario universities come from grants from the Ministry of Colleges and Universities and tuition fees paid by students. Last week universities received from the Honourable Bette Stephenson, Minister of Education, details of their individual grants for 1979-1980. Guelph's formula and total MCU grant will be \$47,946,000. This is 4.5 per cent more than the \$45,898,000 the University received in the current year.

Some universities receive, in addition to their MCU formula grant, Northern Ontario, bilingualism and supplementary grants. Guelph is not eligible for any of these additional grants, which for 1979-1980 will total close to \$10 million. The increase in total MCU operating grants to individual universities in the province varies from a low of 2.3 per cent for

Trent to a high of 6.2 per cent for Queen's reflecting different enrolment experiences in the various universities.

The Minister also informed university presidents that the basic income unit value for undergraduate programs will be \$2,800 and for graduate programs \$2,729. She also stated the foreign fee revenue for 1978-1979 will be redistributed among the institutions when the final figure is known.

In January the Ministry announced the global operating support for Ontario's 15 universities, Ryerson Polytechnical Institute, the Ontario College of Art, the Ontario Institute for Studies in Education, Dominican College and the Bar Admission Course. For 1979-1980 the global operating support will be \$782.4 million, up \$37 million from the current year. All but \$6 million, which has been set aside for items under review by the Ministry, is being distributed to the institutions according to recommendations of the Ontario Council on University Affairs.

The total MCU allocation for capital spending at colleges and universities in Ontario has been set at last year's level of \$26.6 million. All these funds are committed to ongoing projects, and any commitment to new projects has been deferred for the time being, the Minister stated. Again this year, maintenance and repair projects must be carried out with funds made available in the operating grants. □

REPORT from SENATE

Meeting of Tuesday, February 20.

Two major changes to the Bachelor of Landscape Architecture program were approved by Senate last Tuesday. Starting in the fall semester of 1980, the number of courses required to be taken by students over the four years of the program is reduced from 43 to a minimum of 32 courses. Three alternative learning opportunities will also be introduced at the semester seven level. Students may select a semester abroad, a professional internship or a semester of elective study.

Senate also approved changes to the admission requirements for the BLA program, also effective in the fall of 1980. Students seeking admission will need to have completed successfully at least one academic year of a university-level program to be eligible for consideration. They must also present credit in a one-semester course equivalent to 56-100, "Introduction to Design," and should have a credit in a course equivalent to 59-194, "History of Cultural Form." A student admitted without having taken "History of Cultural Form" will be required to take the course in semester 1 of the program in addition to the regular work of the semester. Students who have successfully completed the first two semesters in any undergraduate degree program at Guelph or elsewhere are eligible to apply for admission.

Selection/Review Committee

University of Guelph June 30, 1980. In accordance with faculty policies, a Selection/Review Committee for the Position of President has been formed and Senate has appointed five persons to the Committee. They are: three faculty members, Professor Doug Auld, Economics; Professor Mary Beverley-Burton, Zoology, and Professor William Morrison, Animal and Poultry Science; one undergraduate student, Tom Johnston, B.A. program, honors geography, and one graduate student, Peter Schultz, Department of Physics.

The Selection/Review Committee is under the chairmanship of Ken Murray, chairman of the Board of Governors. The committee also consists of two non-faculty members of the Board, Margaret Moon and Alan Marchment and one staff member of the University, Allan Brown, Director of Physical Resources.

President Forster has indicated to Mr. Murray that he is prepared to serve a second term as president and vice-chancellor of the University.

Committee to Study Liberal Education

Senate also gave approval to the recommendation of the Striking Committee for the nine members of the Committee to Study Liberal Education.

The Committee is to examine and report on the nature and quality of liberal education

provided at the University of Guelph and to recommend, if appropriate, new programs and changes to existing ones.

Convocation Honors

President Forster announced that recently retired political studies professor John Mel will be named Professor Emeritus at spring Convocation. Emanuel I. Birnbaum, the now retired president of Hart Chemical (Canada) Ltd., and chairman of Guelph's Board of Governors from 1972 to 1973 will be made a Fellow.

Speaking to business arising out of the minutes of the January 16 meeting, President Forster said that the motion presented by economics professor John Vanderkamp has been discussed by the Senate Executive and the Committee on Academic Priorities and a proposal will be placed before Senate at the March meeting. Prof. Vanderkamp's motion recommended that Senate instruct the Committee on Academic Priorities to propose changes to the bylaws governing its function and composition with a view to the Committee's becoming more involved in the study of budget priorities and university structure.

Funding

The President reported to Senate that he had received an advisory memorandum from the Minister of Education advising Guelph of its funding for the next fiscal year. (See story on front page of this issue of the *News Bulletin*.)

Continuation of Study, Conditions for Graduation

Senate approved, after a short discussion, additions to the regulations for continuation of study and for conditions for graduation. The additions relate to students who transfer from another university, or who are accepted for readmission with academic records that make it inappropriate to apply to them the conditions for continuation of study and the normal conditions for graduation.

The acting chairman of the Department of Philosophy Bill Hughes, said he objected to the proposal. He felt that it permits too high level of failures for these particular students. Professor Jim Stevens, Assistant Vice-President, Academic, said the additional regulations are intended to provide a basis for equality in treatment of these students by all program committees. The additions to the regulations permit exercising compassion toward students who have had some difficulties and who want to get back into university, he said.

Credits from ODA and ODH Programs

Senate was informed that individuals taking Independent Study courses for the Ontario Diploma in Agriculture (ODA) or the Ontario Diploma in Horticulture (ODH) may obtain credit for certain courses toward the

Associate Diploma in Agriculture.

At the present time the maximum credit allowed will be the equivalent of one semester toward the requirements for graduating in the Associate Diploma program.

MOTIONS

Striking Committee

Senate approved the appointees to the Selection/Review Committee for the Position of President.

Senate approved the membership of the Committee to Study Liberal Education. They are:

Professors John Brooke, Human Kinetics; Harold Chapman, Biomedical Sciences; Stuart Dixon, Environmental Biology; Ken Graham, English; Barry Millman, Physics; Doug Odegard, Philosophy, and Fred Vaughan, Political Studies, are the faculty members. The students are Lance Barrett-Lennard, B.Sc. program, honors zoology, and Judy Krever, B.A.Sc. program, child studies major.

Board of Undergraduate Studies

Senate approved additions to the regulations for *Continuation of Study* and for *Conditions for Graduation* to take effect for admissions in the spring semester, 1979.

Senate approved changes to the Schedule of Studies for the B.L.A. program for implementation in the fall semester, 1980.

Senate approved changes to the admissions requirements for the B.L.A. program to take effect in the fall semester, 1980.

Board of Graduate Studies

Senate received for information the report of additions to graduate faculty and associated graduate faculty. They are:

Graduate faculty — S. Rosendal, Veterinary Microbiology and Immunology, and D.E. Sullivan, Physics.

Associated Graduate Faculty — J.A. Carruthers, Parks Canada/Landscape Architecture; A.E. Courtney, York University/Consumer Studies; W. D. Downey, Purdue/School of Agricultural Economics and Extension Education; I.L. Gibson, University of Guelph/Soil Science; G.E. Kidd, University of Guelph/Agronomy; G. Lazarovits, Agriculture Canada/Environmental Biology; C.Y. Lin, University of Guelph/Animal and Poultry Science; L.J. Mazlack, University of Guelph/Soil Science; R.I.G. Morrison, Canadian Wildlife Service/Soil Science; G.J. Ross, Agriculture Canada/Soil Science; L.W. Stobbs, University of Waterloo/Environmental Biology; G.J. Wall, Agriculture Canada/Soil Science and H. Voldeng, Agriculture Canada/Crop Science.

Board of Studies for Undergraduate Diplomas

Senate received for information the report for transfer of credits from the Ontario Diploma in Agriculture program to the Ontario Diploma in Horticulture program.

Continued on page 4.

Senate elections Iranian students await news, funds

March is the month for the annual Senate elections for the session commencing September, 1979. Faculty members, undergraduate students and graduate students will be seeking election to Senate.

Election of Faculty

There are 58 seats on Senate for elected faculty members and 24 of these will become vacant at the end of the present session of Senate. Faculty are elected to Senate for a three-year term. The number of vacant seats in each College is: Arts — 3; Social Science — 2; College of Biological Science — 3; Physical Science — 6; FACS — 2; OAC — 4; OVC — 4.

Faculty members will receive forms and information about the election from their department chairmen. Nomination forms must be received in the Senate office by Friday, March 2.

Election of Undergraduate Students

Undergraduate students hold 22 seats on Senate and serve for a one-year term. The number of students elected from each program is in proportion to the enrolment in the program and is as follows: B.A. — 5; B.Sc. — 5; B.Sc. (Agr.) — 3; B.A.Sc. — 3; D.V.M. — 1; B.Sc.(Eng.) — 1; B.Sc.(H.K.) — 1; B.L.A. — 1; B. Comm. — 1; Associate Diploma — 1.

All undergraduate students have received in the mail a notice concerning the election and a request that they obtain nomination forms from their College Dean's office or from the Secretary of Senate. Nomination forms must be received in the Senate office by Friday, March 2.

Election of Graduate Students

Graduate students hold seven seats on Senate, one for each College, and serve for a one-year term.

Graduate students have received information and nomination forms through the mail and have been asked to submit completed nomination forms to the Senate office by Friday, March 2. □

College of Social Science lecture series

The College of Social Science has initiated a lecture series. OVC Dean, Dennis Howell, will be the first speaker. He will speak on "The Algoma University College Dilemma," Wednesday, March 14 at 17:00 in Room 107 of the Arts building.

Dean Howell will describe and analyze the problem of an institution in financial and academic disarray as well as discuss the courses of action introduced to create order.

The lecture is open to everyone. □

The turmoil in Iran is more than a news item to at least seven Iranian students on campus. As Hamid Namsechi, a sixth semester School of Engineering student, explains, "The emotional strain of not hearing from our parents for months, wondering if they are alive, is worse than any economic problems." However, the economic problems are real enough. Due to mail strikes and closed banks in their homeland none of these students has received any money from their families for months.

In order to meet their rent and daily living expenses, the students have been borrowing from friends and "making do." Tuition poses a thornier problem. Since most were unable to pay their fees in January, the University has deferred payment for the semester. Academic sanction is usually applied to any student unable to pay fees, according to Bursar Frank Nairn. However, if the Iranian situation continues to be unsettled and money is not forthcoming to the students, the University will then have to decide what position to take under the circumstances. The students are all well advanced in their studies. One is a graduate student, four are in their sixth semester, and

two are in their fourth semester.

The Department of Employment and Immigration has announced that Iranian students who are suffering problems because of the political situation will be issued with permits allowing them to work for the duration of the Iranian difficulties. Many of the 1,500 Iranian students in Canada will welcome this change. Ordinarily, foreign students are not allowed Canadian work permits.

Don Amichand, International Student Advisor, says that it is not unusual for foreign students to experience some financial difficulties, although to a much lesser degree than the Iranian students. "Sometimes it takes time for money to come from another country, and in the meantime, the student is often alone here and does not know anyone who is willing to act as guarantor for a loan."

Although Mr. Amichand notes that it would be impossible to have an emergency fund large enough to accommodate the Iranian students, he feels that a fund should be set up whereby foreign students could borrow small amounts of money for a short period of time to tide them over an emergency period. □

Solar energy workshop

This is the time of year when the winter's heating bill begins to seem mountainous and you sigh wistfully that "there must be a better way." There is, according to sun promoters like Joe Umanetz who attests to the money and energy saving virtues of solar energy.

A Grade 8 teacher at Holy Family School in Hanover, Mr. Umanetz is a grass roots believer in solar energy who developed his interest and his expertise by designing and building his own house the solar way. He plans to share this experience in a non-credit course, Office of Continuing Education *SOLAR ENERGY WORKSHOP* scheduled for two consecutive weekends, March 3 and 4 and March 10 and 11.

Mr. Umanetz feels that even in Ontario's cold climate a house equipped with solar heating and built to take advantage of passive sunshine as well can derive 65 per cent of its heating requirements from the sun. Designing passively means locating the house so windows and living areas dominate the south side. It might also mean lowering windows or reducing the roof-line overhang to maximize sunlight.

Using the sun to heat your home is a great way to save money, says Mr. Umanetz, especially if you have the ability to build and install the solar unit yourself. Off-the-shelf solar components can be expensive, costing up to \$30 a square foot for some collector panels. You could probably build it yourself, however, from locally available materials for around \$4 a square foot.

In this climate, solar heating systems have proven most practical for summer heating of outdoor swimming pools or domestic hot water. Mr. Umanetz cites the example of one pool unit installed in the Grey-Bruce area which recovered the cost of installing solar panels in one swimming season. Three to five years is the usual estimate of time required to recover the cost of installing solar panels to heat water. A great deal depends on your individual family needs and the design of your house, notes Mr. Umanetz, but you could probably count on meeting 75 per cent of your hot water needs with solar energy without any adjustment or inconvenience. You can get up to 95 per cent if you adjust hot water use to available sunshine, he adds.

The workshop will concentrate on the practical knowledge needed to build your own solar energy system. Mr. Umanetz will discuss how to evaluate your heating needs, how to design a solar energy system to fit your house and where to go for materials. He will also demonstrate the hammer and nails techniques of how to actually construct collector panels.

Contact the Office of Continuing Education, Johnston Hall, Ext. 3956, to register. □

ELECTED ALDERMAN —Dr. Tony Whitworth, office of the Vice-President, Administration, was elected alderman for Ward II of the City of Burlington in a by-election held recently. In this first attempt at politics, Dr. Whitworth won the seat over nine candidates, taking a 25 per cent lead over the runner-up.

BRIEFLY

THE 11TH ANNUAL — Student Jury Art Show is presently on exhibit at McLaughlin Library and on the first floor of the Arts building until March 25. Prizes ranging from \$250 to \$100 were awarded to eight of the entries by jurors who are professional artists. Paintings, drawings and sculpture, many by students in the Department of Fine Art, are included in the exhibit.

THE DEPARTMENT OF DRAMA'S — next production is "Dramatic Excursions: I," a set of three one-act plays. *The Jewish Wife* and *The Measures Taken*, by Bertolt Brecht (English versions by Eric Bentley), and *Overruled*, by Bernard Shaw will be presented Wednesday, March 14 to Friday, March 16, 20:00 at The Inner Stage Room 101 of the Arts building. Tickets are on sale at the central box office, University Centre, for \$2.

HAGOOD HARDY — and his orchestra are coming to War Memorial Hall Saturday, March 17. The program begins at 20:30. Tickets are available at the central box office, \$5 for students and seniors, and \$7 for general admission.

THE LARGEST EXHIBITION — of videoart to take place on campus since 1973, will be shown in Zavitz Hall, Room 306 Thursday, March 1 at 19:30. Seventeen artists will be represented, including many graduates of the Fine Art Department, former chairman, Eric Cameron, previous sessionals Noel Harding and Colin Campbell, and the current instructor of the video course, Suzy Lake. The exhibition is sponsored by ED VIDEO, a Guelph non-profit group,

AWARDS

An eighth semester Family and Consumer Studies student, Heather Martin of Petrolia, is the first recipient of the Gerhard Scherf Memorial Award. The award was established by the Family and Consumer Studies Students' Administrative Council in memory of the late Professor Gerhard Scherf, Department of Consumer Studies.

The award recognizes a student who has made an outstanding contribution to the College and who has served on the FACS Students' Administrative Council.



Gerhard Scherf Memorial Award: Heather Martin receives award from Mrs. Hilda Scherf and Greg Dolhan, president of FACS SAC.

THE WOMEN'S STUDIES PROGRAM — will be debated Thursday, March 8, International Women's Day. Psychology professor Joanna Boehnert and history professor Terry Crowley will speak in favor of the program. Chief Librarian Margaret Beckman and philosophy professor Michael Ruse will speak against it. The debate begins at 19:30 in Room 102 of the Agricultural/Economics building, sponsored by the Association for Women at the University of Guelph (AWUG). Everyone is welcome.

POLLING STATIONS — for the Central Student Association elections for president, vice-president, academic/external, CSA representatives-at-large and Athletics Advisory Council members-at-large will be set up on campus from Monday, March 5 to Thursday, March 8. The polling stations will be open March 5 and March 6 from 10:00 to 16:00 in the courtyard of the University Centre, from 10:00 to 14:00 in the OVC coffee shop and from 16:30 to 18:30 in the Creelman cafeteria. A station will be set up at the porter's desk in the East Residence on Monday only from 19:00 to 21:00, Tuesday only from 19:00 to 21:00 in the South Residence at the Prairie Crossroads and Wednesday only from 19:00 to 21:00 in the Mills Hall lounge. There will also be a station to 17:00, Thursday only in the courtyard of the University Centre.

THE COLLEGE WOMEN'S CLUB — March meeting will include slides and a talk by Ann Stallman of Athletics on shaping up for spring. The meeting is Tuesday, March 6 at 20:15 in the Arboretum Centre. If members need a ride, telephone Marilyn Macartney, 822-4234.

Tickets at \$12.50 per person for the dinner and dance Saturday, April 7 at the Victoria Park East Golf Club will be available at this meeting.

PIANIST — John Clegg, will perform at the Thursday Noon Hour Concert, Thursday, March 1.

Program I at 12:10 will include Mozart's "Sonata in F Major," K.332 and Debussy's "Suite Bergamasque." The 13:10 program will feature works by Brahms and Chopin.

Mr. Clegg will also give a lecture/recital Friday, March 2 at 20:00 in Music Room 107 of the Arts building on "Three Musical Centenaries in 1979: John Ireland, Frank Bridge and Nicholas Medtner." Admission is free and everyone is cordially invited to attend. A coffee reception will follow and the audience is invited to meet the artist.

THE SECOND WINE-TASTING — evening sponsored by the Faculty Club will be held Wednesday, March 21 at 20:00 at the Faculty Club, level 5, University Centre. Kevin McDonnell of International Wines will present a selection of Californian wines. Reservations can be made by telephone Ext. 2211.

ALL FULL-TIME UNDERGRADUATES — should check their campus mail box for information regarding preregistration, Monday, March 5 to Friday March 16.

THE SOCIOLOGY AND ANTHROPOLOGY McKinney Jr., Sociology/Anthropology, Wednesday

March 7, at 19:00 in Room 103 of the University Centre. Prof. McKinney's lecture, entitled "The Ongoing Investigation of 'The Socio-economic Position of Blacks in Canadian Society'" will be concerned with various facets of the research procedure. The presentation will be followed by an informal discussion at which time a cash bar will be open for refreshments. Admission is free and all interested members of the community are invited to attend.

ART PEPPIN — a long-time employee of the Ontario Ministry of Agriculture and stationed on this campus until about 10 years ago has been appointed Director of the Agricultural and Horticultural Societies branch of the Ministry. Mr. Peppin, who graduated from the OAC in 1941, joined the public relations department of the College in 1952 and became a member of the Information Branch of the Ministry of Agriculture and Food in 1964.

Senate

Continued from page 2.

COU Report

Professor Carlton Gyles, Veterinary Microbiology and Immunology, reported to Senate on the 131st meeting of the Council of Ontario Universities held January 26 in Toronto.

Highlights

The Ministry proposal to discontinue "minima" provisions of graduate funding will mean loss of revenue to some universities as they will not receive credit for many of their part-time graduate students. COU will initiate further discussion with the Ministry on the proposal.

The executive committee of COU has been asked to prepare a response to the P.S. Ross study on tuition fees. (See *News Bulletin* of February 2.)

COU has accepted a report prepared by the COU Special Committee on the Public Image of the Universities. The major recommendation of the report was that COU should budget up to \$75,000 in each of the next two years for the establishment of a central public relations/information office.

A survey of the undergraduate scholarships awarded for 1978-1979 shows a shift from in-course awards to entrance awards, contrary to COU guidelines.

COU's Advisory Committee on Academic Planning will re-examine a number of proposals dealing with funding graduate study programs.

COU has agreed to serve as a co-ordinating agency for the development of post university admission diagnostic and placement tests.

Concern was expressed over the Ontario Student Assistance Program (OSAP) proposals for 1979-1980. They contain no increase in living allowance units.

Prof. Gyles added that he seeks comments from the University community on whether the Ontario Universities' Program for Instructional Development should be continued or disbanded. He also informed Senate that Canadian universities have been asked to accept up to 500 Chinese students. It is not known as yet how many of these students will attend Guelph.

Focus '79

Increasing the awareness of business, labor, industry and the educational community to each other's needs and concerns is the aim of "Focus '79," a seminar to be held on campus April 19.

The public is invited to participate and share in this first-ever meeting sponsored by the Guelph Chamber of Commerce in cooperation with the Guelph and District Labor Council, The Wellington County Public and Separate School Boards, Conestoga College and the University.

After registration and coffee in the main foyer of the Physical Sciences building at 08:30, the seminar will commence at 09:00 with Guelph Mayor Norm Jary welcoming the representatives. Then Michael Rygus, vice-president of the International Association of Machinists and Aero-Space Workers will deliver the first of four morning lectures by discussing, "Is Canada Going to Have Skill to Meet the Demands of the 1980's?". "Bridging the Gap Between Formal Education and Work" is the topic of Kenneth E. Hunter, president of Conestoga College of Applied Arts and Technology. Donald McLeod, president and chairman of the board of Savage Shoes Limited will speak on "Job Retraining: Are Existing Government Programs Effective?". Hans Van Beinum, executive director of the Ontario Quality of Working Life Centre, will speak on "Labor Effectiveness: Are We Making the Most of Our Total Human Resources?". After the lectures, there will be time for questions and discussion.

The Honourable Robert Elgie, M.D., will be keynote speaker at a luncheon to be held in Peter Clark Hall. From 14:00 to 16:00 participants will be divided into discussion groups to allow for an exchange of viewpoints. The seminar will adjourn at 16:30.

The registration fee, \$5 for students and \$10 for others, includes lunch and coffee. Registration forms may be obtained at the Department of Information, level 4, University Centre. □

JOB OPPORTUNITIES

Clerk Dispatcher, Safety and Security. Clerk II.

Salary Range \$169.49-\$247.55.

Stenographer, Psychology. Salary Range \$141.84-\$209.38.

Guelph CUSO Co-ordinator — permanent part-time. Mornings only. Contact Sue Pearen, level 3, University Centre, Ext. 2213, 2214.

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

BRIEFLY

A SEMINAR— entitled "Industrial Design of Pressure Vessels and Product Integrity" will be given by R. Williams, manager, engineering, Guelph Engineering Co. Ltd., Monday, March 5 at 16:10 in Room 112A of the School of Engineering.

Zeroing in on proteins

Proteins or enzymes are responsible for all of the life processes: conversion of energy, building up and breaking down of molecules and transmission of nerve impulses. Though most proteins are associated with biological membranes, scientists, despite many advances in knowledge, still do not know their shapes or their exact location. They believe, however, that proteins are imbedded randomly in the biological membranes surrounding every living cell. By carrying out research on these membranes and studying and measuring the action of the molecules that make up the membranes scientists hope to learn more about the nature of proteins.



Professor Myer Bloom, a visitor to the Department of Physics from the University of British Columbia, has made a study of membranes. During his stay at Guelph he lectured on their structure and physical properties and the molecular motion within them.

"The membrane is a two-layer 'skin' surrounding the cell," Prof. Bloom explained, "which acts as a barrier between water within the cell and water outside." The membranes are constructed of phospholipid molecules which have electrically charged heads which

face the water and are soluble in it and, attached behind, chains of hydrocarbons or fatty acids, which are not soluble in water.

Scientists have discovered that, in order for proteins to do their work, the membranes in which they are housed must be at or above the melting point; that is, they must be fluid. This melting point, can be lowered by increasing the amount of unsaturated fatty acids in the phospholipid molecules, according to Prof. Bloom. It has been found, for example, that unsaturated fatty acids in the membranes of fish are present in increasing amounts the colder the water is in which the fish live. Apparently the colder temperature causes the body to produce more unsaturated fats to keep the membranes fluid even at the lower temperature so that the proteins are still able to function.

Scientists are asking themselves, Prof. Bloom said, why the membranes need to be fluid in order for the proteins to work, and what is the interaction between the proteins and the phospholipids which "turns the proteins on."

To find the answers to these questions requires the combined expertise of the biologists, chemists and physicists. Such cooperative research has enabled scientists now to measure the fluidity of membranes and understand its nature.

For his part, Prof. Bloom, as a physicist, has been using a technique called "nuclear magnetic resonance" to study the structure and molecular motion of the phospholipid molecules which are the "building blocks" of biological membranes. The influence of the proteins on the hydrocarbon chains of the phospholipids has been investigated in the frozen (gel) and fluid states of membranes.

Now, through such research as Prof. Bloom's, it has been found that proteins, which were always looked upon as large molecules impeding the reorientational motions of the phospholipids, actually do the reverse. In fact, the rotational disorder of the phospholipids is increased the closer they are to the proteins. Such work is complicated and painfully slow, Prof. Bloom admits, but little by little knowledge is being gained about how proteins, the basic molecules of life, perform their biological functions. □

PERSONALS

For Sale — 4 pc. gold family room sofa set, 821-6237; Emerson stereo hi fi-radio record player, 3561; arborite table with four matching chairs, 821-4648; dark brown lazy boy chair, 824-0178; tent trailer (sleeps six), separate dining tent, 2449 or 821-1634 after 18:00; European cross-country ski boots, new, size 6, Anna, 2749 or 821-2846 after 17:00; infant's car seat, child's car seat, both safety approved, 824-1516.

Goods and Services

Wanted to Buy — Piano, 2624 or 824-1057, evenings; piano, in good condition, will pick up, Bronwen, 3769.

Guelph Liaison

Don Brown, regional liaison officer, will visit five schools from March 5 to March 9.

On Monday, March 5, he will be at Elmvalle District High School and Barrie Collegiate. Mr. Brown will visit Orillia Central on Wednesday, March 7, and on Friday, March 9, he will visit Orangeville Collegiate and Collingwood District Collegiate.

Four names were omitted from the list of liaison contact people in the "Guelph Liaison" supplement published in the February 15 issue of the *News Bulletin*. They are: Food Science and Dairy Science Professor D. Arnott; Horticultural Science Professor J.W. Riekels; Landscape Architecture Professor L.M. Wester and Land Resource Science Professor D.E. Elrick. Also, the liaison contact person for Human Kinetics is Linda Nelson, not P. Geldart, as was published.

Purchase Award

Professor Gene Chu, Fine Art, has won a Purchase Award for his relief print entitled "Captivity" in the 1979 Rockford International Prints Competition.

The juror, Harold Joachim, Curator of Prints and Drawings of the Art Institute of Chicago selected 81 prints out of 515 pieces of work from 18 countries to make up the exhibition which is on show to March 18.

"Captivity," which has now been added to the permanent collection of Rockford College was printed from several plates. It is a combination of woodcut, photo-engraving and cardboard, in subdued colors. It is 48 inches high and 24 inches wide.

Named to Committee

Professor S.J. Slinger, Department of Nutrition, has accepted an appointment as a member of the Subcommittee on Cold Water Fish Nutrition of the Committee on Animal Nutrition, Board on Agriculture and Renewable Resources, U.S. National Research Council, for a term from January 1, 1979 through December 31, 1981.

Travels and Seminars

Professor V.F. Rasper, Food Science, recently participated in the second European Economic Community Working Party on Dietary Fibre Analysis held at the Dunn Nutrition Centre, Cambridge, England. During the four-day working session, participants from 11 countries evaluated the results of a collaborative study and proposed standard procedures for dietary fibre testing in human food.

Mary Rubio, English, recently represented Canadian Children's Literature at the Canadian Periodical Publishers Association Convention in Banff, Alberta.

Professor Stanley Saunders, Director of Music, recently addressed the University Women's Club of McMaster University at Hamilton on "Music: Intellect or Emotion?".

Prof. Saunders also attended executive meetings of the national organizations of the Banff Centre, the Canadian Association of Youth Orchestras, and the National Youth Orchestra of Canada.

Dean Switzer delivers lecture series

Dean C.M. Switzer of OAC is asking some penetrating questions these days. Will Canada's present system of agriculture continue to be productive for many years into the future? Indeed, do Canadians want an agricultural system that will be viable on a long-term basis?

This double barreled question is one of those that Dean Switzer is asking 17 audiences from coast to coast as he delivers the Klinck Lecture for 1979. The Klinck lectureship was established some years ago by the Agricultural Institute of Canada to bring to the public a topic of current concern. It was named after Dr. L.S. Klinck, the first president of the organization. Previous speakers in the series have come from Canada, the United States and Europe.

Other questions being raised and discussed by Dean Switzer in his lecture include whether Canada should strive towards a greater degree of self sufficiency in food production, and what should be Canada's role in the world food system.

In his examination of the above questions, Dean Switzer brings out several factors. The family farm in Canada, its influence and its future, are considered along with the possible future effects on Canadian agriculture of an increasingly variable climate, the increasing costs of energy and energy-dependent inputs, the influence of changing agricultural technology, and the effects of possible government actions.

The first lecture in the 1979 Klinck series was delivered in Ottawa February 22 and the second was February 27 in London. The next one is March 1 in Hamilton. Future dates will range from March 12 to April 12. The locations will extend from Victoria, British Columbia to Truro, Nova Scotia.

Early in the history of psychology, 'attention' was a central concept. There has been a recent trend among subjective behaviorists to reinstate this concept and to reject the notion that because a process is not directly observable, it must be a pre-scientific concept.

Geoffrey Underwood, a visiting professor in the Department of Psychology while on leave from the University of Nottingham, is a leading proponent of the view that the study of attention is critical to an understanding of how humans process information. His research interests include memory, cerebral hemisphere differences, perception of time and the application of the concepts of cognitive psychology to reading. The major theoretical concern guiding that research is with the description of consciousness and cognitive strategies.

Prof. Underwood, who received his B.A. from the University of London in 1969, and his Ph.D. from Sheffield, in 1972 has published in several psychology journals. He has also published books on *Attention and Memory* (1976, 1979) and *Strategies of Information Processing* (1978). *Aspects of Consciousness* is due in 1980.

The visiting professor will present some of his recent work as part of the Psychology Colloquium Series Wednesday, March 21 at 12:10 in Room 335 of the University Centre. His talk is entitled "Attention Whilst Reading." □

(Z.,Z)

The Department of Veterinary Microbiology and Immunology will welcome Professor B.C. Easterday of the Department of Veterinary Science at the University of Wisconsin, as a visiting professor Monday, March 12, to Friday, March 23. Prof. Easterday is a distinguished veterinary virologist who is recognized internationally for his work with influenza viruses and studies on the pathogenesis and epidemiology of various other viral diseases of animals.

During his visit, Professor Easterday will participate in several undergraduate and graduate courses. He will also present these four research seminars: March 14, 11:00, "Studies on Swine Influenza: The Economic and Public Health Impacts," Room 220, Pathology; March 16, 14:00, "Studies on the Ecology of Avian Influenza Viruses," Room 220, Pathology; March 20, 11:00, "Studies and Problems with Infectious Bovine Rhinotracheitis in Wisconsin Dairy Herds," Room 508, OVC, and March 22, 11:00, "Swine Viral Disease Models for the Study of Antiviral Compounds," Room 220, Pathology.

Anyone wishing to meet Prof. Easterday should contact Professor J.B. Derbyshire, Ext. 2517. □

TICKETS — for the Guelph Spring Festival are available at the University's central box office, level 1, University Centre, Ext. 3940. If you wish a choice of seats at Festival performances purchase your tickets as soon as possible.



Appreciation Award: Ed Hudek, left, acting deputy minister of the Manitoba Department of Agriculture presents Professor Frank Theakston, School of Engineering, with an appreciation award as past chairman of the Canada Plan Service (CPS). The 25th anniversary meeting of the CPS, a federal-provincial service which provides plans of farm structures to the Canadian agricultural industry, was held at the University recently.

Radio Gryphon awaits good news

CFRU-Radio Gryphon (820 AM - 105.7 Cable FM on your dial) is the sound of the University of Guelph. The radio station, whose call letters were chosen to honor the late Frank S. Ryan, a pioneer Canadian broadcaster and founding governor of the University, beams its message out over the Guelph community from the University Centre building. The Frank Ryan Studios, located on level 2, were opened by Kathleen Ryan, Frank Ryan's widow, June 21, 1975.

Radio Gryphon's application for an FM licence will be heard by the Canadian Radio-television and Telecommunications Commission in Rexdale, Ontario Tuesday, March 6. If the application is approved it will be the culmination of two years of effort by Radio Gryphon director Ian McDiarmid and his staff. They wrote a proposal acceptable to the CRTC and made the application.

If the news is favorable, Radio Gryphon's FM station would be operational by January, 1980. Mr. McDiarmid is hopeful because both McMaster and Waterloo universities have FM licences now. With the licence CFRU would be able to reach the entire City of Guelph. Plans are also being made to extend the hours of programming when the station receives the licence.

Mr. McDiarmid sees the station as fulfilling three main functions. They are: facilitating communication within the University community and helping to develop a sense of community on campus, promoting dialogue between the University and the Guelph community, and providing members of the University with firsthand communication arts experience. He believes it is a perfect medium for utilizing almost any or all expertise the University has to offer, whether in journalism, politics, economics, consumer studies or music.

CFRU is non-profit, privately owned and non-commercial. Funding is provided by the University and the students, who in a referendum between March 5 and March 8, will be voting on whether to sponsor the station to an additional \$1.50 each per semester. Graduate students through their association will also be holding a similar referendum later on. Unlike many other university radio stations, funding is not tied to the student union. CFRU belongs to the entire University community and is dependent on it for financial support.

Thirty-five people, all volunteers and most of them undergraduates, carry out the programming. Only a co-ordinating body of three or four are professionals. Audio-visual personnel in the Office for Educational Practice provide maintenance of the equipment, which is a sizeable contribution since there is a good deal more wear-and-tear than would be found with equipment in a professional station.

To become part of CF RU requires five hours' learning to use the equipment and a



Radio Gryphon: Director Ian McDiarmid with Olive Burton, a sixth semester agriculture student, at the controls.

further five hours attending seminars and helping with broadcasting. At present 20 people are taking this extra-curricular course.

Although music takes up a large component of broadcasting time, CFRU prides itself on doing more than just spinning records. News of a very local nature begins programming at 14:00 each day. From 17:00 to 18:00, Monday to Friday and on Sunday, listeners can hear the "CF RU Report" followed Monday to Thursday by "Pipeline," a 120 minute program of critical analysis, comedy, music related to the spoken word and general chit-chat. "Radioactive," heard from 20:00 to 22:00, Monday to Thursday, provides a mosaic of music interspersed with talk: comedy, trivia or other commentary not necessarily related in any way to the music. Jazz fans may enjoy "Jazzman" between 22:00 and midnight, Tuesday to Thursday, and every Wednesday and Sunday from 14:00 to 17:00 lovers of Bach may listen to music of the classics.

Mr. McDiarmid would be happy to see Radio Gryphon get its FM licence and, if it does, he feels this is an appropriate time for increased participation in the station by non-student members of the University community.



Drama Visitor: Students Daniel Delabbio of Sault Ste. Marie and Veronica Kuntz of Chepstow discuss the use of masks as an actor-training technique with Professor Richard Nichols of the University of Nebraska. Prof. Nichols recently visited the Department of Drama to conduct a two-day workshop in stage movement and actor training.

Next Week at **Guelph** Continued from page 8.

Meeting — STUDENT FEDERATION, COLLEGE OF ARTS, 17:00 to 18:15, UC 429.

International Film — PADRE PADRONE, 19:00, UC 103.

WEDNESDAY, 79 03 07

Workshop — COMMERCIAL PLANT BREEDING TECHNICIANS WORKSHOP, University of Guelph, continues 79 03 08. Contact W.S. Young, Co-ordinator of Agricultural Extension, OAC.

Easy Wednesday — KEVIN HEAD, THE SALT COD COWBOY, 11:30 to 14:00, PCH, UC.

College Royal — TV INTERVIEW WITH DON CARSS, PRESIDENT, AND BRENDA TRASK, PUBLICITY AND PUBLIC RELATIONS SUPERVISOR, 12:00, over Channel 11.

Worship — ANGLICAN EUCHARIST, 12:00, Chapel, level 5, UC; CATHOLIC MASS, 17:00, Chapel, level 5, UC; IMMANUEL FELLOWSHIP, 19:00, 8th fl. lge., Arts.

Psychology Colloquium — OLD DATA IN NEW BOTTLES, Harry Hurwitz, Psychology, 12:10, UC 335.

Employment Search Program — THE RESUME, JOB LOCATION/STRATEGIES, THE LETTER OF APPLICATION, 13:00, UC 301.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, College Royal and Radio Gryphon, 16:30, Cable 8.

Lecture — THE SOCIO-ECONOMIC POSITION OF BLACKS IN CANADIAN SOCIETY, Prof. D.W. McKinney, Jr., Sociology/Anthropology, sponsored by the Sociology and Anthropology Association, 19:00, UC 103.

Wednesday Night Hockey — TORONTO vs. VANCOUVER, 20:00 to 01:00, UC 103.

College Royal — CURTAIN CALL, 20:00, WMH.
French House — LES DISPAR US DE ST. AG IL 21:00, Grand Salon, French House.

THURSDAY, 79 03 08

Thursday Film Festival and Luncheon Special — APOLLO ELEVEN and '63 STANLEY CUP, 11:30 to 14:00, PCH, UC.

Winter Biochemistry Seminars — THE METABOLISM OF 4-CHLOROBIPHENYL AND ITS DNA DAMAGE IN CULTURED CHINESE HAMSTER OVARY CELLS, A.K. Wong, Chemistry, 12:00 to 13:00, Chem./Micr. 370.

Worship — CATHOLIC MASS, 12:00, Chapel, level 5, UC; ANGLICAN EUCHARIST, 16:00, Chapel, level 5, UC; CATECHISM FOR THE CURIOUS, 20:00, UC 335.

Noon Hour Concerts — MARKUS STOCKER AND YURI MEYROWITZ, 'cello and piano, 12:10 and 13:10, Arts 107.

Employment Search Program — THE INTERVIEW, 13:00, UC 301.

Meeting — INTERVARSITY CHRISTIAN FELLOWSHIP, Wilbur Sutherland, 19:00, 9th fl. lge., Arts.

College Royal — COLLEGE ROYAL CLUBS NIGHT, sponsored by the Social Science Alumni Association and the CSSSG, 19:00, UC 103. A get-together for alumni and undergraduates.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, College Royal and Radio Gryphon, 19:00, Cable 8.

Creative Relationships — GETTING IN, STAYING IN AND GETTING OUT OF RELATIONSHIPS, Doug Torney, 19:30 to 21:30, UC 441.

Debate — IS WOMEN'S STUDIES A GHETTO?, an International Women's Day event sponsored by the Association of Women at the University of Guelph, 19:30, Ag. Ec. 102.

College Royal — CURTAIN CALL, 20:00, WMH.

Next Week at Guelph

College Royal — KICK-OFF PUB featuring "Shooter," 20:00, PCH, UC.

THURSDAY, 79 03 01

Art Exhibit — STUDENT JURY SHOW, 11th annual exhibition by University of Guelph students, main floor, McLaughlin Library until 79 03 25.

Office for Educational Practice — TEACHING ALTERNATIVES: USING THE COMPUTER, a session on using the computer for teaching and learning; ISSUES IN HIGHER EDUCATION (a public lecture); TEACHING ALTERNATIVES: USING FILM AND TELEVISION, explores the use of visual materials to enhance learning. For more information about these events scheduled for March call Ext. 3106 or 3107.

Thursday Film Festival and Luncheon Special — LEGACY and '77 MOLSON DIAMOND INDY, 11:30 to 14:00 PCH, UC.

Worship — CATHOLIC MASS, 12:00, Chapel, level 5, UC; ANGLICAN EUCHARIST, 16:00 Chapel, level 5, UC; CATECHISM FOR THE CURIOUS, 20:00, UC 335.

Thursday Noon Concerts — JOHN CLEGG, piano, 12:10 and 13:10, Arts 107.

Employment Search Program — THE INTERVIEW, 13:00, UC 301.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, Prof. Stanley Saunders, Director, Division of Music, 19:00, Cable 8.

International House Panorama Series — COMPUTERS AND SOCIETY, Prof. Ken MacKay, 19:00, International House, Watson Hall lge.

Public Lecture — THE LORDSHIP OF CHRIST, Evangelist Bernie Smith, 19:30, B.G.Z. 200. Sponsored by Intervarsity Christian Fellowship and the Navigators.

Lecture — WHAT A HORTICULTURALIST WOULD FIND AT THE ARBORETUM, Sarah Lowe, 19:30, Ag. Ec. 102.

Continuing Education — NOVICE FARMER: FISH FARMING, 19:30 to 21:30, 3 Thursdays; call Ext. 3956 to register.

Creative Relationships — HOW TO DISAGREE: FIGHTING IN RELATIONSHIPS, James and Caroline White, 19:30 to 21:30, UC 441.

Men's Hockey — ONTARIO UNIVERSITIES ATHLETICS ASSOCIATION FINALS, 20:00, Memorial Gardens.

Lecture/Recital — JOHN CLEGG, piano, 20:00, Arts 107.

Public Lecture — THE EFFECTS OF AGRICULTURAL AND LAND USE POLICIES ON RURAL LANDSCAPE IN NORWAY AND OTHER SCANDINAVIAN COUNTRIES, Prof. Magne Bruun, visiting professor in the School of Landscape Architecture from the University of Norway, 20:00, Land. Arch. 204.

French House — FRANCOFONIE CANADIENNE: LES FRANCOPHONES DE LA MAISON PRESENTENT LEUR REGION ET REPENDENT A VOS QUESTIONS, 20:00, Fireplace Lounge, French House.

FRIDAY, 79 03 02

Men's Wrestling — CANADIAN INTER-UNIVERSITY ATHLETICS UNION, all day, Athletics Centre; continues all day 79 03 03.

Lecture — TOPIC TBA, Prof. R.O. Watts, visiting professor in the department of applied mathematics, University of Waterloo, from the Australian National University, Canberra, 09:10, Arts 238.

Video Tape — THE MAN WHO SKIED DOWN MOUNT EVEREST, 11:00 to 15:00, UC 103.

Luncheon Special — FRIDAY MATINEE, 11:30 to 14:00, PCH, UC.

Worship — FACULTY-GRADUATE STUDENT CHRISTIAN FELLOWSHIP, 12:00 to 13:00, UC 333; MUSLIN JUMA PRAYERS, 12:30, Chapel, level 5, UC.

GWC² Seminar Series — MOLECULAR BIOLOGY OF LYMPHOCYTE ACTIVATION, Prof. J.G. Kaplan, University of Ottawa, 15:30, Phys. Sc. 121.

Free Film — THE SEARCHERS, 19:00 and 21:30, Phys. Sc. 105.

Bible Study — GUELPH CHINESE CHRISTIAN FELLOWSHIP, 19:00 to 20:30, 8th fl. lge., Arts.

SATURDAY, 79 03 03

College Royal — CAKE BAKING CONTEST, 08:30, FACS bldg.; EVALUATION COMPETITION, 09:00, Judging Pavilion; CAKE BAKING CONTEST, 12:30, FACS bldg.; COLLEGE ROYAL BALL, 20:00, UC courtyard and PCH, UC.

Continuing Education — SOLAR ENERGY WORKSHOP, Joe Umanetz, 09:00 to 16:00; continues 79 03 04, 79 03 10 and 79 03 11. To register call Ext. 3956.

SUNDAY, 79 03 04

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, College Royal and Radio Gryphon, 11:00, Cable 8.

Worship — CATHOLIC MASS, 10:00, PCH UC; ANGLICAN/UNITED WORSHIP, 11:15, Chapel, level 5, UC.

College Royal — TALENT EST '79, 19:30, WMH.

MONDAY, 79 03 05

First day of preregistration (in-course students)

Biomedical Sciences Research Seminars — INTERACTION OF FACTOR VIII AND PLATELETS, Prof. E.P. Kirby, department of biochemistry, Temple University, 09:00, Biomedical Sciences 309.

Staff Development Workshop — TIME MANAGEMENT FOR SECRETARIAL/CLERICAL EMPLOYEES, A.W. McInnis, Director of Residences, 09:00 to 12:00, UC 442. To register call Ext. 3058 or 3059. Maximum enrolment: 45 participants.

CMS Preview — SPECIAL SEMINAR ON THE CONVERSATIONAL MONITOR SYSTEM (CMS), for Computer Liaison personnel, Morven Wilson, Service Manager, CMS, 10:00, ICS 212.

Video Tape — GRATEFUL DEAD, 11:00 to 15:00, UC 103; continues 79 03 07 and 79 03 09.

Women's Hour — CULTURAL ATTITUDES AND THE TRAVELLING WOMAN, 12:00, UC 441.

Agriculture/Musiculture — MODERN MUSIC, 12:10 to 13:00, Land. Arch. foyer.

ICS Course — INTRODUCTION TO COMPUTER SIMULATION, Shein Wang, 13:00 to 16:00, ICS; course continues 79 03 08 and 79 03 12. To register call Ext. 3046.

Integrity Club — INTEGRITY IN TELEVISION, video and lecture, 20:00 to 21:00, UC 441.

College Royal — PUBLIC SPEAKING CONTEST, 20:00, UC 103.

TUESDAY, 79 03 06

Career Building Sessions — DYNAMIC JOB HUNTING. To register contact Lou Campbell, Counselling and Student Resource Centre, level 3, UC.

Our World — WE WANT OUR NICKEL BACK: THE STORY OF FALCONBRIDGE, 12:00, UC 442.

Employment Search Program — INTRODUCTION, THE SELF-ASSESSMENT, 13:00, UC 301.

AI ESEC Meeting — HOW THE DEVELOPMENT BANK CAN HELP WITH YOUR BUSINESS, 16:00 to 18:00, UC 442.

Physics Colloquium — MEASUREMENT OF THE ELECTRIC CHARGE ON THE THICK AND THIN FILAMENTS OF INTACT MUSCLE, Prof. G.F. Elliott, department of physics, Oxford Research Unit, Open University, 16:00, Phys. Sc. 113.

Worship — CATHOLIC MASS, 17:00, Chapel, level 5, UC.

Informal Discussion — BAHAI' CAMPUS CLUB, 17:00, UC 334.

Continued on page 7.

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



The News Bulletin is published by the University of Guelph. Items must reach the editor, Sandra Webster, Department of Information, level 4, University Centre, by noon Friday. Contents may be quoted or reproduced.