

# gueph

## UNIVERSITY NEWS BULLETIN

### "Made in space"

*Columbia opens a new era for the consumer*

Michael Taylor is flying high these days. Certainly not at the heights reached by the space shuttle orbiter, "Columbia," which he photographed during its launching and staging at the NASA John F. Kennedy Space Centre in Florida April 12. But he is excited about some of the innovative techniques, used by the NASA payload specialists, which the Consumer Studies professor can plug into his own area of interest — experimental design.

The professional photographer, who uses this medium to enhance his experiments in experimental design, is a veteran at recording on-camera historic space send-offs. He is sporting a blue and white lapel pin, depicting the space shuttle, which will be added to his collection of eight other pins, each a memento of his photographic coverage of the various flights — Apollo moon missions, Skylab laboratory missions, Viking to Mars and the Soyuz-Apollo experiment.

Each trip to record these space firsts has provided Prof. Taylor with an opportunity to meet NASA researchers. It was through such personal contacts that he became one of 35 out of 4,000 pressmen and photographers from around the world who were chosen to occupy a select site just four miles from the

"Columbia" launch pad. The site provided a frontal view of the shuttle, attached to the 40-storey support gantry. Prof. Taylor found himself in some heady media company

*Newsweek*, ABC, AP and UPI. Some of the journalists had just come from covering the assassination attempt on US President, Ronald Reagan.

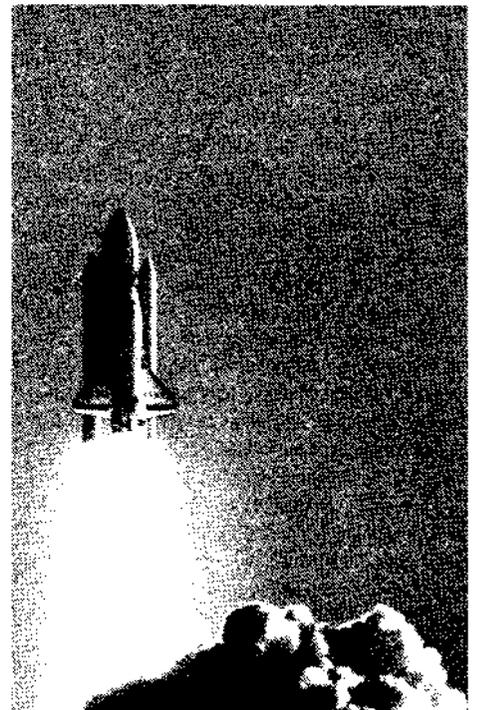
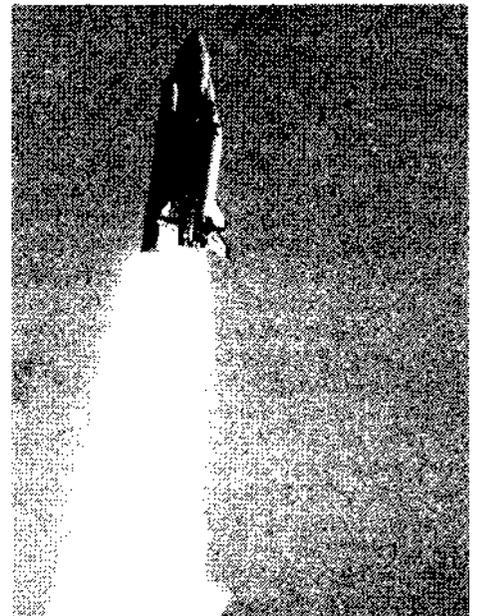
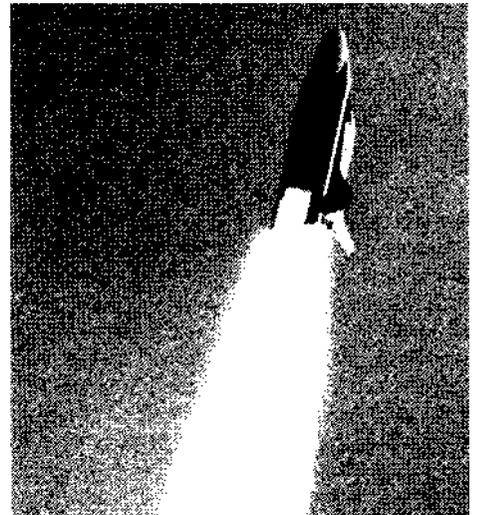
Prof. Taylor was assisted on this trip by Bob Desautels, a graduate student in Philosophy and a former manager of the Faculty Club, who kept a log of their five-day stay. Using motorized cameras, Prof. Taylor got some 300 color and black and white stills of the launching and the staging. Prof. Taylor says he plans to photograph the launching and the landing of the second shuttle orbiter which is expected to be launched in August or September. The Canadian-built mechanical "arm," a device for manipulating payload cargoes in space, is to be aboard this flight, and it is expected to be used in tests while in space.

While his photographs are in demand by NASA and the Air and Space Museum, both in Washington, Prof. Taylor is much more

*Continued on page 2*



*On Location: Prof. Taylor, left, with Bob Desautels. Amid cheers and tears, Prof. Taylor kept camera clicking to get photographs, right, of "Columbia" heading skyward.*



# GSF offers music scholarships for study at university level

Three new scholarships, given by the Edward Johnson Music Foundation to the University of Guelph, add yet another dimension to an already mutually beneficial relationship.

The awards, which received approval at last month's Senate meeting, mark the first time that the Foundation has offered money to students at university level for academic, rather than exclusively for performing, achievement.

The Guelph Spring Festival Scholarships approved by Senate last month (Semester 6) offer two awards of \$250 to students pursuing a B.A. degree with major honors in Music, who have completed six semesters with a cumulative average of at least 70 per cent, and who have demonstrated outstanding musical and scholastic achievement. A third scholarship of \$500 will be awarded annually to a full-time student who has completed semester one in the previous winter, spring or fall semesters.

Professor Murdo MacKinnon, president of the Guelph Spring Festival, says the scholarships are intended to encourage suitable students to come to Guelph, and to help recognize the ability of some of those students who are close to graduation.

The relationship between the University and the Edward Johnson Music Foundation has a long and mutually rewarding history. To trace its origins, one must go back to the time when Edward Johnson, a native of Guelph and one of the greatest tenors of his time, retired as general manager of the Metropolitan Opera and came here to live. It was Edward Johnson who gave the city its first Spring Festival of Music in 1927, 1928 and 1929, which he organized and paid for himself. After his retirement, in 1950, he established a music scholarship program in the schools with cash prizes and gold medals, also at his own expense.

After his death, the Edward Johnson Music Foundation became active and, in 1968, launched the present series of Guelph Spring Festivals. The Foundation now has its own staff, downtown offices, and an annual budget of \$250,000.

The Foundation also initiated the annual competition for the students of Waterloo and Wellington counties for voice, piano and instrumental, with annual prizes totalling \$3,600. A significant number of young people have, as a result of these competitions, gone on to become professional performers.

The national vocal competition, with prizes of \$13,000, including a first prize of \$5,000, enjoys international prestige and offers winners an opportunity to sing with a symphony orchestra, and the distinction of an international jury. The next vocal competition is in May, 1982.

The Festival was founded by a group of us here at the University — Nicholas Gold-

schmidt, Edith Kidd, Alex Ross, Eugene Benson, Trevor Jones and myself, among others and, over the years, the Festival and the University have established many areas of mutual support," says Prof. MacKinnon. The Festival still receives an annual grant from the University and, in return, it arranges for most of its concerts to be performed on campus, provides price reduced tickets to students, and rents University facilities at standard rates. The University has custody of the Festival's Steinway grand piano, which is used in the music program. We in turn are able to make use of the University's Steinway concert grand during the Festival," says Prof. MacKinnon.

A music seminar is given during the Festival for senior high school, college and university students, as well as members of the public, who are interested in music. The seminar, jointly sponsored by the Music Department and the Festival, brings young people to meet international composers, conductors and some of the performers.

Funds for the scholarships will come from the Foundation's membership fund which is supported by more than 600 individuals and families. "We do have special endowments and private gifts for scholarships, but the fund always needs topping up," adds Prof. MacKinnon.

Professor Stanley Saunders, Guelph's Director of Music, adds: "I am absolutely delighted with this additional support. These new scholarships are a symbol of the public recognition which our music program at the University of Guelph has achieved."□

## Youth Art during GSF

The annual exhibition of youth art is on show on the main floor of the Arts building. Part of the Macdonald Stewart Art Centre's programming during the Guelph Spring Festival, the exhibition is co-ordinated by Stephen Lewis, art consultant for the Wellington County Board of Education.

"Youth Art '81" features the work of Guelph elementary and secondary school students, in the Wellington County Board of Education and the Wellington County Roman Catholic Separate School Board schools. It provides a rich opportunity to see the students' art and to compare the development over the years. The colorful and bold paintings by the most junior students are as exciting and captivating as the more detailed and realistic work created by the senior high school students.

"Youth Art '81" continues to May 29. The Arts building, across from the McLaughlin Library, is open until 11:30 p.m. every evening except Sunday, when it is open until 9:30 p.m. □

"Made in Space" *Continued from page 1.*

excited about his conversations with the NASA researchers. "NASA has a cache of innovative people," he notes, "and all of them are always open and receptive to questions. Each time I go there they are trying something new with plastics, metals, fabrics, and foods, and these innovative uses will eventually spin off into consumer areas."

This trip. Prof. Taylor was particularly interested in the silica heat tiles which covered the shuttle. The tiles, 31,000 of them, were exposed to temperatures up to 2,500°F. upon re-entry. Prof. Taylor wonders how these could be used eventually, for insulation purposes. He is also interested in a special carbon-reinforced epoxy material which was used for the first time in the construction of the long, cargo bay doors.

Plastics are strong as metal: spaceships and aircraft made of moulded reinforced plastic skins held together with glue, rather than rivets, will eventually be used to reduce the weight of the current spaceships and aircraft, he explains. New designs in fabrics, especially the abrasive-resistant, teflon-coated, multi-layered garments worn by the astronauts, are also of interest to Prof. Taylor.

"These are the types of innovations which help drive our technology on its way into the future," notes the professor who, as a member of a Department of National Defence team, has designed a new type of material which has camouflage characteristics needed by the government for its soldiers. Prof. Taylor expects the government to announce details of this new material shortly.

Prof. Taylor looks forward to even more exciting innovative ideas in the future, for the shuttle is also to be used to transport a complete scientific laboratory, called "Spacelab," which can be reused 50 times. Developed by the European Space Agency, the spacelab is adapted to operate in zero gravity. It will provide facilities for as many as four laboratory specialists to conduct experiments in fields such as medicine, manufacturing, engineering, astronomy and pharmaceuticals. "Spacelab" will remain attached to the shuttle orbiter throughout its mission. Upon return to Earth, it will be removed from the orbiter and outfitted for its next assignment.

"Researchers, experimenting in space conditions, will come up with a whole range of new products with many applications for uses on Earth, but which we could not possibly hope to produce here, and these will be useful in an entirely new and unique environment," predicts the professor. "The possibilities for new products and new techniques are endless as the shuttle is a sophisticated technology whose full potential has yet to be realized."

Does Prof. Taylor want to get on the flight list? "Who wouldn't want to be on one of the stepping stones to the future" he exclaims. "There are rumors that a pressman will be sent up on shuttle orbiter number three. Perhaps I can be that **pressman.**"□

## Over 1,000 join Century Club 1980 great year for Alma Mater Fund

All targets were met, all previous records broken, and at least two important landmarks were achieved during the 1980 Alma Mater Fund campaign which raised \$296,567, nearly \$30,000 above 1979.

Campaign chairman, Ross Hay, says that the 12th annual campaign chalked up its largest dollar volume, its greatest number of donors and its highest figure for gift averages. Only once in its history — 1978 — was there a fractionally higher percentage of donors.

An important achievement was the surpassing of the 1,000 membership mark in the Century Club, which recognizes contributions of \$100 or more. Membership jumped from 967 to 1,077. Another landmark was the passing of the \$2,000,000 mark in the cumulative total collected since 1969.

Campus Fund co-chairmen, Microbiology professor, Margaret Hauser and English Language and Literature professor, John Bligh, expressed their gratitude to the 465 faculty and staff members who contributed \$49,279, some 16.6 per cent of the Fund total. Food Science professor, Sandy Pearson, who is Campus Fund Century Club chairman, reports that 216 donors qualified as members.

President Donald Forster has approved the allocations of the 1980 Alma Mater Fund as recommended by the advisory council of the Fund. The main allocations were \$71,152 for scholarships and awards; \$43,135 for Library acquisitions, and \$35,000 for College Advancement Funds. These are followed by capital grants of \$20,000 each for the Small Animal Clinic extension at OVC and Alumni Stadium; \$15,000 for the Winegard Visiting Professorship Program; \$14,502 for Arboretum development; \$12,061 for the OAC Associate Diploma Centennial Scholarship Program and \$10,000 for the Instructional Development Program. Grants were also made on behalf of Art Acquisitions, Gryphon Club, London House capital projects and bursaries, and music.

Mr. Hay, a Guelph resident who is an OAC '45 graduate, notes that the broad and generous participation by faculty and staff members in the advance Campus Fund have always set an example for the general alumni body and friends of the University who are invited to participate in the late summer and fall. The record response was particularly encouraging to the more than 500 volunteers who were directly involved in the Fund. □

## Named co-chairmen of campus fund

Professor Don A. Barnum, Veterinary Microbiology and Immunology and Joan L. Johnston of the Library have been named co-chairmen of the 1981 Campus Fund. Professor Margaret Hauser, Department of Microbiology, who was a co-chairman last year, will act as Century Club chairman.

In making the announcements, 1981 campaign chairman, Dr. Alfred Vanags, stated that 23 vice-chairmen had also been enlisted to assist in the Campus Fund. The vice-chairmen are currently engaged in obtaining departmental representatives to complete the campaign organization.

The Campus Fund campaign is scheduled to kick-off Wednesday, May 13. A special briefing of campus volunteers is to take place in Room 441 of the University Centre at 4 p.m.

The overall target for 1981 is \$320,000, the largest objective in the 13-year history of the Fund. Dr. Vanags is confident that this target will be achieved, if alumni, faculty members and friends of the University continue their generous support and make a special effort to increase the level of their gifts to help counteract the effects of inflation. □

## Advisory council chairman sees new spirit among alumni



Barry Stahlbaum.

The election of Barry Stahlbaum, a 1974 graduate of the College of Physical Science, to the chairmanship of the Alma Mater Fund Advisory Council for 1981-1982, caps several years of involvement in alumni affairs, both as a representative for graduates of his College and as a member of the advisory council itself.

A systems analyst in academic computer services, Institute of Computer Science, working with OVC to computerize veterinary medical information, Mr. Stahlbaum brings a hardnosed, business-like attitude to his new position.

The AMF advisory council reviews and determines project priorities of the Alma Mater Fund and allocates the proceeds of the fund. Two representatives from each of the Alumni associations; the primary representatives of the campaign management committee of the AMF; the president and senior vice-president of the University of Guelph Alumni Association; President Donald Forster, as honorary UGAA president; John Babcock, Director, Alumni Affairs and Development, and Jim Elmslie, development officer, Alumni Affairs and Development, as secretary to the council, make up the AMF advisory council's membership.

"The council deals with a large sum of money — \$300,000 this year," notes Mr. Stahlbaum. "The fund has been administered very efficiently in the past, but anticipated growth, both in income and disbursements, makes a well-managed response even more necessary in the future."

His tough-mindedness in financial matters softens, however, when he talks about the role of alumni in supporting the university. "I see a growing number of alumni turning out for

our special events. I had a ball at College Royal, talking to over 150 alumni who had returned to Guelph from as far away as Montreal and Sudbury."

He regrets that it sometimes seems that the University communicates with alumni only when it asks for money. "We also need their loyalty, encouragement and participation."

Funds provided by alumni to the Alma Mater Fund provide a vital service, he explains. All universities are cutting back in their budgets, and, in the process, it is the "refinements" which go first. It is these peripheral, but important, activities which receive the support of the AMF.

Mr. Stahlbaum sees fund-raising, not as the bottom line of alumni affairs, but as part of a full circle, which makes it possible for things to happen, which enhance the prestige and reputation of the University of Guelph. "These, in turn, bring pride to us all and also help to create a sense of worthwhileness in being active alumni. This is what stimulates fund raising. The results include scholarships, visiting professor programs, library acquisitions, our prestigious University of Guelph Choir trips to Europe, the development of the Arboretum, Alumni Stadium, and a host of other activities which make us all feel good."

Mr. Stahlbaum takes over the chairmanship from OVC professor, Bob Buck. "He was a great chairman ... I hope I can run a meeting half as well." □

# ics non-credit course descriptions

## Introduction

For more than a decade, faculty, staff and graduate students have taken part in the short non-credit courses offered free by the Institute of Computer Science. These courses are designed to give participants some basic computing skills which they can put to use immediately. If you are new to computing, the courses can teach you how to use programs already stored in the computer. Programs to assist with the production of large documents and the compiling of statistics are easy to learn and can save you time. Other courses will teach you the fundamentals of computer programming. Experienced users will find these courses useful for increasing their knowledge and skill. (Credit courses in computing science can be taken with the Department of Computing and Information Science; call Ext. 2258 for details.)

To receive the full benefit of any course taken, students are urged to complete exercises assigned by the instructor. Some courses require manuals which are now available at the campus bookstore.

Why not try computing this semester?

## Introduction to Sharp APL

May 25, 27, June 1, 3, 8, 10; 18:00 - 21:00

This course is an introduction to one of the most concise, consistent and powerful programming languages currently available.

The course is designed so that a student with some previous knowledge of APL may take only those sections in which help is needed. Those unfamiliar with the APL language should take the entire course. Each section will build upon the material covered in the previous section.

The topics to be discussed include:

1. Lecture 1  
Rudiments of the APL language.
2. Lecture 2  
Management of APL workspaces.  
— Using the APL public library.
3. Lecture 3  
More of the APL language
4. Lectures 4 and 5  
Writing APL programs
5. Lecture 6  
Using the APL FILE system.

At the end of the course, the student will be able to use APL in calculator mode, enter and manipulate data, use and manage stored workspaces and write and modify simple APL programs.

Independent practice on the APL system is essential for students to get the full benefit of this course, and assignments which provide such practice will be given. Students should purchase copies of the ICS manual, *An Introduction to Sharp APL*, available in the Campus Bookstore. Additional recommended text (though not required) is *APL—An Interactive Approach* by Gilman and Rose.

Prerequisite: None.

## APL Jam Sessions

May 27 and June 24; 14:00 - 16:00

APL jam sessions provide an opportunity for APL users to get together each month on an informal basis to share ideas, discuss problems, and learn about new features or techniques. Brief presentations by Institute staff, university faculty and invited speakers on a variety of APL subjects will start each session. These will be followed by open discussions and

questions from attendees. Topics for each session will be announced in "1 NEWS" in the APL system.

## Test Scoring System

Thursday, May 28; 18:30 - 21:30

The Test Scoring System is an interactive APL system created to assist faculty in scoring multiple choice examinations.

Course content will include what the system will and will not do, how to code student answer cards, how to correct data, and what reports are available.

The course content will be presented in sufficient detail to enable use of the system by those who have not had prior computing experience. The design of multiple choice questions will not be covered.

Prerequisite: None.

## Introduction to CMS

May 26, 28, June 2, 4, 9; 19:00 - 12:00

CMS (Conversational Monitor System) provides an interactive facility for creating files, executing computer programs and submitting jobs to the batch facility.

The first module discusses the basic concepts of CMS. It is a prerequisite for each one of the remaining four lectures which are independent of one another.

The first module is also a prerequisite for many other courses such as SPSS, Fortran and SAS.

This course is divided into five modules, i.e.:

1. CMS editor
2. CMS editor control
3. Use of printer, reader; virtual machine concepts.
4. CMS batch, basic CMS commands
5. Executing programs.

Prerequisite: None.

## Intermediate CMS

June 16, 18; 13:30 - 16:30

This course will cover programming techniques and the use of EXEC files under the Conversational Monitor System (CMS).

If you plan to attend, please bring your questions and problems regarding CMS to the class.

Prerequisite: Introduction to CMS.

## Introduction to SAS

June 17, 19, 22; 13:30 - 16:30

SAS (Statistical Analysis System) is a comprehensive package of computer programs for data analysis. It offers a wide range of statistical procedures (especially in the analysis of designed experiments), extensive data management tools (reads data in almost any format, updates, sorts and merges files) and report-writing features.



Madge Brochet, centre, of ICS discussing use of SCRIPT with Helen Lodder, left, and Terri Freiburger of Analysis and Planning.

The course is designed to provide the student with enough exposure to SAS in order to use it. It is divided into three sessions as follows:

- Session I - Creating SAS data sets
- Session II - Analyzing SAS data sets
- Session III - Use of SAS program statements

The student is expected to submit exercises using his/her own data or using a common dataset to be provided in class.

Prerequisite: A basic knowledge of statistics and Introduction to CMS: Lectures 1, 2 and 3.

## Introduction to SPSS

Monday - Friday, June 1,2,3,4,5; 12:00 - 13:00

This course will teach you the basic skills needed for using the SPSS programs. Participants will be shown a variety of ways to collect input survey data, as well as the fundamentals of SPSS programming. A knowledge of the use of the CMS editor is essential for the successful use of course material.

## Intermediate SPSS: System Files

Monday, June 22; 18:30 - 21:30

This lecture will describe the structure and use of the SPSS system files, and the use of temporary disk space when using SPSS programs. Emphasis will be placed on a cost-efficient use of system files. A knowledge of SPSS programming is essential.

## Introduction to Script

FOR SECRETARIAL STAFF

May 19, 20, 22, 26, 28; 09:00 - 12:00  
June 1, 3, 5, 9, 11; 13:30 - 16:30

This course is designed for secretarial personnel who wish to spend less time retyping reports, memos, research proposals, etc. Using the SCRI PT program, parts of a document can be revised or deleted without retyping the entire work.

Topics discussed in the course include creating files, memos, tables and reports, how to enter and modify text, and how to obtain a printed copy.

Information concerning registration for the Secretarial Script course may be obtained by calling either Madge Brochet or Alison Lauder, Ext. 3467 on Monday, May 11 or Tuesday, May 12.

FOR FACULTY AND GRAD STUDENTS

May 25, 26, June 2, 4; 13:30 - 16:30

This course is designed for faculty and graduate students who are involved in producing large documents and theses. You will learn how to enter, modify, and print text according to a specified format.

Topics discussed include creating and deleting text files, entering and modifying text, the use of Syspub, and the printing options available.

# Institute of Computer Science

University of  
**Guelph** 

## Instructional Staff

Staff of the Institute of Computer Science participate in the training program as instructors. Whenever necessary, computer professionals from outside the University or from other Departments may be used as lecturers.

## Staff Seminars

In addition to the scheduled courses being offered by ICS, a number of general interest seminars are held from time to time.

Details on the content and scope of these seminars are announced in the University *News Bulletin* and in notices which are sent to University Departments.

## Unscheduled Courses

Not all available courses are offered this semester. ICS is prepared to make special arrangements to give any scheduled or unscheduled courses to interested groups or Departments.

## Manuals

Some courses may require manuals. These can now be purchased at the campus bookstore.

## Registration

You can register for these courses during afternoons only by calling Liz Reemeyer at Ext. 3046, or by coming in to see her in Room 215, ICS building.

## REGISTRATION FOR SECRETARIAL SCRIPT COURSES

For information regarding registration for either of the two Introduction to Script for Secretarial Staff courses, contact Madge Brochet or Alison Lauder at Ext. 3467, on Monday, May 11th or Tuesday, May 12th.

## Non-Credit Course Schedule

SPRING SEMESTER 1981

COURSE	DATES	TIME	INSTRUCTOR
Introduction to APL <i>6 lectures given once</i>	May 25, 27 June 1, 3, 8, 10	18:00 - 21:00	G. Wade
Introduction to CMS <i>3 lectures given once</i>	May 26, 28, June 2, 4, 9	19:00 - 21:00	R. Creedy
Intermediate CMS <i>2 lectures given once</i>	June 16, 18	13:30 - 16:30	R. Creedy
Introduction to SAS <i>3 lectures given once</i>	June 17, 19, 22	13:30 - 16:30	N. I son
Introduction to SPSS <i>5 lectures given once</i>	June 1, 2, 3, 4, 5	12:00 - 13:00	L. Ross
Intermediate SPSS <i>1 lecture given once</i>	June 22	18:30 - 21:30	L. Ross
Introduction of SCRIPT (for secretarial staff) <i>5 lectures given twice</i>	May 19, 20, 22, 26, 28 June 1, 3, 5, 9, 11	09:00 - 12:00 13:30 - 16:30	A. Lauder M. Brochet
Introduction to SCRIPT (for grad students & faculty) <i>4 lectures given twice</i>	May 25, 26, June 2, 4	13:30 - 16:30	L. Dennis
Test Scoring	May 28	18:30 - 21:30	J. Mathews
APL Jam Sessions	May 27, June 24	14:00 - 16:00	G. Wade

## AWARDS



*CPS Honor Students: back row, left to right, CPS Dean, Earl MacNaughton, Mr. Wylie and Mr. Root. Front row, left to right, Ms. Macerollo, Ms. Baker, Professor Bob Winkel and Mr. Wilkinson. Missing are Ms. Tratnik, Ms. Beml and Mr. Retterath.*

The names of nine top undergraduate students in the College of Physical Science have been added to the College's honor roll. The students have achieved an average of 85 per cent or higher on five courses in the fifth, sixth, seventh or eighth semester. The following have been named for the fall semester, 1980:

B.Sc. Program — Semester 5 — Gail Baker, honors (biochemistry), and Timothy Wilkinson, major (biochemistry), minor (nutrition); Semester 7 — John Wylie, honors (theoretical physics); Semester 8 — Christopher Retterath, honors (computing and Information science).

The following were selected from the winter semester, 1980:

B.A. Program — Semester 8 — Mayda Tratnik, honors (mathematics).

B.Sc. Program — Semester 6 — Catherine Macerollo, honors (applicable mathematics); Laurie Beml, honors (chemistry) and John Wylie, honors (theoretical physics); Semester 8 — John Root, honors (chemical physics). □

THE SALVATION ARMY is conducting its annual Red Shield Appeal. This year it seeks \$36,500. Your contribution may be made to: "The Salvation Army Red Shield Appeal," Box 1146, Guelph, Ontario, N1H 6N3. For more information contact Biomedical Sciences professor, W.H. Boyd, Ext. 2522.

## Arboretum Day

The Arboretum and Concert Management of the Department of Music invite you and your family to participate in another of their popular Arboretum days Saturday, May 9 from 10 a.m. to 4 p.m.

Prior to the concert at 2 p.m. there will be the official unveiling of a laminated pine sculpture entitled "A+" by the Toronto artist, Fred Powell.

The concert at 2 p.m. will feature the Renaissance Brass, a quintet of Canadian young brass players, whose repertoire spans a period of five centuries, and whose programs combine authentic works from the past with the best music of today's Canadian and international composers. The members of the Renaissance Brass have also made extensive appearances in a wide range of educational environments from preschool to university.

Before moving to Toronto Charles MacKinnon, trumpet, played with the Atlantic Symphony Orchestra, and since then has performed with the Canadian Opera Company, the National Ballet, the Toronto Symphony Orchestra, and other groups. Trumpeter John Kargut plays regularly with the National Ballet Orchestra, the Hamilton Philharmonic and the Kitchener-Waterloo Symphony. Anne Aley, French horn, currently per-

forms in New York City and Toronto. She has played with the Kitchener-Waterloo Symphony, the Aspen Festival Orchestra, and on the New Music Concerts series in Toronto. Cam Walter, trombone, musical director of the group, received his Master of Music degree at the University of Toronto. He has performed with the American Brass Quartet, Aspen Festival Orchestra, Hamilton Philharmonic, Kitchener-Waterloo Symphony and various ballet and opera orchestras in Canada. Scott Irvine, tuba, has performed with the Canadian Opera Company, the National Ballet Orchestra, and in many shows at the O'Keefe Centre. He is heard frequently in Dixieland bands and on television commercials.

The concert program will include *Rondeau* by J.J. Mouret; a group of Renaissance dances by Paul Peurl and Claude Gervaise; Ludwig Maurer's *Songs for Brass*; a *Suite for Brass Quintet* by Edvard Grieg; *Suite of Elizabethan Dances* by Anthony Holborne; and a selection of rags and polkas.

A shuttle service to and from the Arboretum Centre will be available from parking lot 15, corner of East Ring Road and Arboretum Road. Admission is free. For information telephone Ext. 3144. □

## Come celebrate spring

Spring is bursting forth along the nature trails at the Arboretum. The trilliums, trout lilies, wild ginger, toothwort and marsh marigolds are in full bloom and adding their beauty to the forest floor.

Walkers are encouraged to come to the Arboretum, ask for a trail guide, and enjoy a spring walk. (Guide books are available at the beginning of each trail and at the Nature Centre.) The 8 km of trails are open dawn to dusk, seven days a week. The first Wednesday evening excursion is May 13. It is a chance to have a closer look at spring wildflowers. The walk starts at the J.C. Taylor Nature Centre at 7 p.m. (Cancelled, if raining at 5 p.m.)

Another exciting and beautiful spring happening is the influx of warblers during their northern migration. To give you a better opportunity to observe these "jewels of the bird world," the Arboretum has expanded the Spring Warblers walk of past years to a five-day event. From Monday, May 11 to Friday, May 15, there will be three walks planned each day: 8 a.m. to 10 a.m.; 12 noon to 1 p.m. and 4 p.m. to 5 p.m. In addition, a film about warblers will be shown each day at 10:10 a.m. It will also be available for viewing during the weekends of May 9-10 and May 15-16. This program is suitable for both the inexperienced and experienced birder. Binoculars are available free of charge.

If you wish to find out more about the spring and summer programs at the Arboretum, telephone Ext. 3932 and ask for a program brochure. □

## Departmental Jobs

Stenographer, Mathematics and Statistics. Salary range: \$167.58 - \$245.69. Open to on-campus employees only.

Technician, Zoology (MTS IV). Salary range: \$260.23 - \$373.15. Open to on-campus employees only.

Clerk I, Graduate Studies. Salary range: \$167.58 - \$245.69. Open to on-campus employees only.

Clerk II, Graduate Studies. Salary range: \$199.55 - \$289.81. Open to on-campus employees only.

Research Associate, Analysis and Planning. Salary commensurate with qualifications and experience.

Library Associate, Information Services, Library. Salary range: \$240.98 - \$343.63. Open to on-campus employees only.

Secretary, Animal and Poultry Science. Salary range: \$185.81 - \$264.03.

Part-time Typist, English. Hourly rate commensurate with experience.

Tape/Disk/Stock Clerk, Computer Systems and Operations. Salary range: \$199.55 - \$289.81.

Agricultural Assistant, Crop Science. Start rate: \$271.29. Six month job rate: \$286.19. One year job rate: \$299. Open to on-campus employees only.

TICKETS are still available for the University Centre's Summer Shuttle '81 trip to Exhibition Stadium Monday, May 11 to see the Toronto Blue Jays play the Boston Red Sox. Tickets are on sale at the central box office.

# OSAP funding increased

Funding of the Ontario Student Assistance Program will increase by 16.4 per cent for 1981-1982 to a total of \$98.2 million, Colleges and Universities Minister Dr. Bette Stephenson announced recently. The amount is an increase of \$13.8 million over the last year.

Of the amount, \$4.2 million has been set aside to meet the increased tuition fees for those who qualify for student assistance.

The OSAP is composed of four plans, three of which are funded by the Ontario Government. Canada Student Loans, the fourth component of the program, is financed by the federal government through the Secretary of State. The three Ontario plans include the Ontario Study Grant Plan, the Ontario Student Loan Plan, and the Ontario Special Bursary Plan. The Ontario Student Loan Plan was introduced in 1975 to assist

students whose needs were not being met fully by Canada Student Loans.

Students will be expected to contribute more from summer savings. The minimum contribution from summer earnings will increase from \$50 to \$60 per week. Students who search for employment and are unable to locate a summer job or full employment during this period, can appeal this minimum. However, they will be required to document their employment search.

The Ontario Student Assistance Program assists over 82,000 students annually. Applications are now available from colleges and universities in Ontario, from Ontario secondary schools and from the Ontario Ministry of Colleges and Universities, Student Awards Branch, Queen's Park, Toronto, Ontario, M7A 2B4, at telephone number (416) 965-5241. □

# Horticulture Day at Arboretum Centre to mark 75 years

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 □



Morine Krissdottir with President Donald Forster.

**John Cowper Powys and the Magical Quest**  
Morine Krissdottir  
Macdonald & Jane's General Books, 1980  
218 pp.

*John Cowper Powys and the Magical Quest*, a detailed examination of Powys's "mythology" by Morine Krissdottir, who has been teaching housing courses in the College of Family and Consumer Studies, is dedicated to her husband, retired University of Guelph vice-president, Academic, Dr. Percy Smith.

Although trained both in English literature and in psychology, Prof. Krissdottir's special interest is the relationship of myth and special creativity. Her interest in Powys is long-standing, and she worked intermittently at this book over a period of 15 years. In 1977, she co-authored, with Consumer Studies professor Joan Simon, *Shielding: People and Shelter*, a book which deals with the effect of the physical environment on behavior.

"Magical Quest" was a term used by Powys to cover, not only his pattern of daily life, his philosophy and his art, but all that had influenced him in the literature, legend and occult lore of the past.

Prof. Krissdottir shows how his studies in the Grail Quest, Welsh legend and the writings of the alchemists were used to shape his philosophy, and how this, in turn, helped to dictate the form and content of the novels that he wrote mainly to express it. In particular, it deals with his major novel, *Porius*, and shows, by reference to the original manuscript, how much of his intention was lost by the enforced shortening of that novel for publication.

According to the author, the source of Powys's creativity was his vision of a lost golden age. However, he vacillated between regarding this simply as the fruit of his imagination and as a part of objective reality. His lifelong quest was to resolve this duality in a "complex vision" whose imagery and symbolism he was to fill with irony and compassion.

Although published in England, the book can be ordered from General Publishing Co. Ltd., 30 Lesmill Rd., Don Mills. □



**THE UNIVERSITY OF GUELPH** receives publicity in this month's issue of *University Affairs*. The front cover is a photograph of our students enjoying the spring sun in Branion Plaza; page 11 shows a photograph of students strolling in front of the School of Agricultural Economics and Extension Education building; page 15, a photograph and write-up on our new "look," the Hanoverian white stallion, and page 23 notes the reappointment of our Academic Vice-President, Professor Howard Clark.



## Goods and Services

**For Sale** — Suzuki 500 motorcycle, 824-5093; children's soccer or baseball shoes, size 3, 836-9989 evenings; refrigerator, ranges, washer, dryer, bedroom suite, sofa, desk, car carrier, rocking horse, rocking chair, sleigh, clothes line, chest of drawers, fireplace screen, excellent condition, 823-1234; 7-piece chrome dining suite, couch, 7 cu. ft. freezer, 5-shelf unit, 6-shelf Colonial style wall unit, double bed with box spring and mattress, dresser with mirror, small round frame shelf, 3-shelf bookcase, Texas Instruments SR50A scientific calculator with recharger, 837-3574; propane sink and tank, electrical lead-in and outlets, all aluminum construction, John Clark, 824-9050 or 836-0125 after 5 p.m.; twin beds, 822-3795; Rotel integrated amplifier, model #RA-400, excellent condition, Eileen, 8768 or Waterloo 578-3363 evenings; 16 ft. fiberglass canoe, 836-5713 after 5 p.m.; children's size 6C black leather jodhpur boots, size 12 girl's beige jodhpurs, 843-5778 after 6 p.m.; 1978 Honda 550-4, motorcycle-utility trailer, Dale, 8157; 1972 Triumph 1500, cheap family car for faculty planning sabbatical in Britain, Prof. J.C. Shute, 1 Beaufort East, Flat 1, Bath, Avon, England, BA1 62D; 1975 28 ft. Shamrock house trailer, fully equipped, excellent condition, 822-6277 after 7 p.m.; hardtop camper trailer (sleeps 6), 16" CCM Swinger bike, 30" oven and range, walnut living room tables, 822-9092.

## Accommodation

**For Sale** — 2-storey, 3-bedroom house, 89 Applewood Crescent, 836-7415 after 5 p.m.  
**For Rent** — 2 bedroom apartment, all utilities, 3-bedroom semi-detached 2-storey house, Toni Georgas, 836-4500; completely furnished house with separate apartment for rent, 1 year lease required, couples preferred, 836-1076; 2-bedroom, unfurnished home, 10 minutes from campus, stove refrigerator, curtains, from June 1, no pet allowed, rent includes heating, hydro and water, 823-5037 after 5:30 p.m.; 3-bedroom, semi-detached, unfurnished home, from May 1, newly decorated, College Avenue W., 823-5818 evenings.

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# Next Week at Guelph

## THURSDAY, 81 05 07

Exhibit — REALISM: STRUCTURE AND ILLUSION, Guelph Spring Festival exhibit of contemporary Canadian artists working in a representational manner, Macdonald Stewart Art Centre, until 81 06 14.

GWC Distinguished Lecturer Series — CHEMISTRY OF MEMBRANE LIPIDS: MEMBRANE STRUCTURE AND LIPID TOPOLOGY (2), Prof. Laurens L.M. van Deenen, 1600, PS 121.

Worship — CATHOLIC MASS, 1710, Chapel, level 5, UC.

Spotlight on University of Guelph — THE POLITICAL SITUATION IN CZECHOSLOVAKIA, Prof. Fred Eidlin, Political Studies, 1900, over Guelph TV channel, cable 8.

Guelph Spring Festival — WOODY HERMAN, 2000, Ross Hall. \$10/\$8.

## FRIDAY, 81 05 08

Registration for classes (spring semester)

Continuing Education Conference/Workshop — GEOMORPHOLOGY, co-ordinator C. Bromley. Continues 81 05 09. Information: Ext. 3956.

Worship — ANGLICAN EUCHARIST, 1200, UC 332; MUSLIM FRIDAY PRAYERS, 1230, Chapel, level 5, UC.

Guelph Spring Festival — BOLCOM AND MORRIS, 2000, WMH. \$8/\$6.

## SATURDAY, 81 05 09

Arboretum Day — SPRING AT THE ARBORETUM, 1000 to 1530, guided tours from J.C. Taylor Nature Centre to the nature trails to see spring wildflowers and birds; UNVEILING of A+ a laminated pine sculpture by Fred Powell, and a CONCERT by the Renaissance Brass, both at 1400, Arboretum Centre. Sponsored jointly by the Dept. of Music and the Arboretum.

Guelph Spring Festival — LUTNIA CHOIR, 1430, St. George's Church, \$3.

ISRAEL PIANO QUARTET, 2000, WMH. \$8/\$6.

Disco — ALL-NIGHTER, 0130, Bullring.

## SUNDAY, 81 05 10

Worship — CATHOLIC MASS, 1010, PCH, UC; MUSLIM ZOHR PRAYERS, 1330, 9th fl. lge., Arts.

Spotlight on University of Guelph — THE POLITICAL SITUATION IN CZECHOSLOVAKIA, Prof. Fred Eidlin, Political Studies, 1100, over Guelph TV channel, cable 8.

Guelph Spring Festival — TORONTO SYMPHONY YOUTH ORCHESTRA, 1430, Ross Hall. \$51/\$4. OPERA IN CONCERT: LA BOHEME, 2000, WMH. \$8/\$6.

## MONDAY, 81 05 11

Classes commence

Arboretum — WARBLER WEEK, 3 walks a day, 0800, 1200 and 1600 and a FILM ON WARBLERS, 1010, Arboretum Centre. Continues until 81 05 15.

Biomedical Sciences Seminar — VALIDITY OF LUNG PARENCHYMAL STRIP AS AN AIRWAY, K.B. Mirbahar, graduate student, Biomedical Sciences, 1100, Biomed. Sci. 309.

Summer Shuttle — to see BOSTON RED SOX vs. TORONTO BLUE JAYS; bus leaves UC south entrance, 1730. Ticket, including return transportation: \$13.

Guelph Spring Festival — SCHOLARSHIP COMPETITION, 1930, Arts 107. Admission free. Continues 81 05 12.

## TUESDAY, 81 05 12

GWC Distinguished Lecturer Series — DYNAMICS OF PHOSPHOLIPIDS AND THEIR ASSOCIATION WITH PROTEINS, Prof. Laurens L.M. van Deenen, Biochemisch Laboratorium, Riksuniversiteit Utrecht, the Netherlands, 1600, Waterloo Campus C2-171.

Radio Gryphon — RADIO T.O.R.O., Spanish program presented by the Dept. of Languages and Literatures, 1530, over CFRU (93.3 FM).

Summer Shuttle — to see MAGGIE AND PIERRE, at Toronto Theatre Festival; bus leaves UC front entrance, 1900. Ticket, including return transportation: \$15.

## WEDNESDAY, 81 05 13

Worship — CATHOLIC MASS, 1210, Chapel, level 5, UC; ANGLICAN EUCHARIST, 1700, UC 332.

Arboretum — WEDNESDAY EVENING EXCURSION: SPRING WILDFLOWERS, Alan Watson, 1900, meeting at J.C. Taylor Nature Centre. Be prepared for mosquitoes; walk cancelled if raining by 1700.

## THURSDAY, 18 05 14

Last day for clearance to graduate for Spring Convocation

Worship — CATHOLIC MASS, 1710, Chapel, level 5, UC.

Spotlight on University of Guelph — THE POLITICAL SITUATION IN CZECHOSLOVAKIA, Prof. Fred Eidlin, Political Studies, 1900, over Guelph TV channel, cable 8.

Guelph Field Naturalists — SERIOUS NEW TREE PROBLEMS OF ONTARIO, Dr. Ron Carrow, forest entomologist, University of Toronto, 1945, Arboretum Centre.



*Participants in the Canadian Science Writers' Association meetings held on campus and at the University of Waterloo this month meet for coffee and conversation: left to right, Bruce Findlay, Bechtel Canada Ltd., membership chairman, CSWA; Guelph chemistry professor, M.C. Zerner; Dr. John McKelvey, research chemist, Eastman Kodak; Tom Davey, out-going president, CSWA, and Sharon Adams, reporter with the Edmonton Journal.*

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