

# Bovey paper: questions, no answers

The Commission on the Future Development of the Universities of Ontario, known as the Bovey Commission, last week released its discussion paper "Ontario Universities 1984: Issues and Alternatives" and an accompanying document entitled "Background Data."

The 29-page discussion paper, containing 50 specific questions, is being circulated for reaction and suggestion from Ontario universities, business, the public, industry, labor and other organizations before recommendations are made to the provincial government in November.

The Commission, consisting of Edmund C. Bovey, Dr. Fraser Mustard and Dr. Ronald Watts, does not provide any answers to its 50 questions, explaining that, "at this stage of its work, the Commission has identified some concerns but has not reached any conclusions . . . We shall depend heavily for our recommendations upon the responses we shall receive to this discussion paper, from submitted briefs and from the fall hearings across the province." (page 6).

Guelph will hold a special Senate meeting August 7 to discuss the paper.

One question the Commission asks each university to consider specifically is its distinctive character and role among Ontario universities, which areas should be focused upon and expanded and which areas might be eliminated or contracted during the next decade.

The four main areas of concern outlined in the paper are: maintenance and enhancement of quality; accessibility for undergraduate, professional and graduate studies; adaptability to change; and balance and differentiation, including more specific

issues such as enrolment levels, admission standards, faculty retirement, manpower needs, tuition and finance.

The Commission was established by Bette Stephenson, Minister of Colleges and Universities, in December, 1983 who called for fundamental changes and universities with more clearly defined, distinctive roles.

Copies of the discussion paper and background data are available through the Commission on the Future Development of the Universities of Ontario, 14th floor, 101 Bloor St., W., Toronto, Ont. M5S 1P7.□



## Quadpark opens

Athletics Director David Copp, MP Jim Schroder, and Alderman Margaret MacKinnon autograph the first softball to open the new Guelph softball Quadpark between Stone Road and Ring Road. Bob McQueen, Administration Information Systems, thanked the federal government, the city of Guelph and the University for their support and announced a new fundraising program to add lighting and fencing to the park.

## Thank you

*May I express my thanks to everyone who participated in making the 1984 Learned Societies meetings a most profitable experience for all the delegates. The contribution of all members of the University community — faculty, staff, students, alumni and other volunteers — was vital to the success of the meetings. We can all be proud of the way our campus looked and of the reception the delegates received.*

*Thank you again for your co-operation. With sincere appreciation,*

B.C. Matthews,  
President.

## Drama theatre group

For the third consecutive year, Guelph Drama students have been awarded a grant under the Summer Canada Works Program to form a theatre company.

A grant of \$19,000 has enabled artistic director Dennis Horn to create the Whirligig Theatre Company.

The company will tour two children's plays throughout the area in July and August. *Clown Peace*, an original clown

show created by the company, has a peace-oriented theme, while *Hurrah for Willoughby D!* is a musical comedy devised by Guelph playwright Janice Wiseman and Tamarack musician Jim Gordon.

A third play, *Count Dracula*, will be performed at the Inner Stage, MacKinnon building, from August 21 to August 25.

For further information, contact The Whirligig Theatre Company at Ext. 3147.□



John Heern, Information Services

Even the weather co-operated for the Learned and delegates enjoyed the MacKinnon food and beverage garden for 11 consecutive days.

## Co-operation makes for success

The 5,000 or more Learned Societies delegates agreed that the 1984 conference was a resounding success. They enjoyed Guelph's spacious and beautiful campus and highly praised the efficient and friendly nature of the Conference organization. They were particularly impressed by the President's receptions — held daily in the President's garden with more than 3,000 attending — by the best-ever book fair, the smooth, no-waiting reception at the registration desk and in the residence area and the courtesy they enjoyed from residence, parking and food service personnel.

The logistics of such a conference are formidable and as co-ordinator Earl MacNaughton points out, and President Matthews confirms in his message (see box, page 1), its success is a tribute to the generous co-operation of many people and departments who responded enthusiastically to the challenge. Reference has already been made (*News Bulletin* 84 06 07) to the contribution made by volunteer members of the College Women's Club and the Alumni in Action. The information desk remained a hive of activity to the very end, answering questions about the city and its amenities and directing delegates to co-operating restaurants.

The conference itself caught the imagination of the press thanks to a well-planned advance publicity campaign. The Media Room on level 3 of the University Centre was staffed from 8 a.m. to 8 p.m. throughout the Conference supplying reporters with information about coming events, providing mimeographed copies of talks and arranging personal interviews with conference speakers. The academic quality of the meetings was high, and by the end of the Conference a wall of press clippings on such topics as military spending, child abuse, the church

and sex ethics, research spending, the appointment of judges, American domination of Canadian media, theatre in Canada and equal pay for women confirmed the relevance of the Conference in addressing the central problems of our times.

The Learned Societies Conference was also marked by a number of important cultural events. In addition to the Guelph Spring Festival productions — *A Night in Old Vienna* and *Gone with the Wind* — delegates also enjoyed a public reading by writer/actor Timothy Findley, a performance of *The Garage Sale* in Massey Hall which caught the attention of *Globe and Mail* critic Herbert Whittaker, an evening of Indian dances and folk songs at the Inner Stage and four three-busload excursions to Stratford for *Iolanthe*, *Love's Labour's Lost* and *Romeo and Juliet*. □

## Alumni Association awards

The University of Guelph Alumni Association will honor its members with two special awards at its annual meeting Saturday, June 23 at 1:30 p.m. in Room 105, Physical Sciences building.

The 1984 Alumnus of Honor will be presented to Mr. E.I. "Mac" McLoughry, OAC '22, for his outstanding contributions to Ontario agriculture among many other recognizable achievements.

The 1984 Alumni Medal of Achievement will be presented to Bryan Boyle, OAC '76, for outstanding ability in leadership for young people.

The OVC Alumni Association will also present the 1984 Distinguished Alumnus Award to Dr. Raymond Currey, OVC '29, following the annual alumni dinner Saturday, June 23 at 7 p.m. in Room 442, University Centre. □

## Alumni Affairs under review

A private consulting firm has been hired by the University to review the objectives and operations of the Department of Alumni Affairs and Development.

President Burt Matthews, who commissioned the study, says, "Touche-Ross (Ltd.) has been hired to review, within the next two months, the role and function of Alumni Affairs' current operations and relation to related units on campus in light of the potential fundraising campaign."

Members of the consulting firm will be speaking to people on and off campus during their study. □

## Mother-of-thousands

You are not alone if you have problems with scientific or botanical names of plants. Some of them are unpronounceable and not easily remembered. Do you know the plant called "Mother-of-Thousands?" Possibly you grew it under the name "strawberry begonia" or "strawberry geranium" or "Aaron's beard" or "old man's beard" or even "creeping sailor."

Professor Chuck Kelly, Environmental Biology, says it is a popular plant to grow in a hanging basket or pot to display the slender runners that bear daughter plants. The runners or stolons resemble those produced by a strawberry.

The leaves, roundish to heart-shaped in outline, are borne on long stalks or petioles and may be as much as 10 cm across. The leaves are green, veined with silver above and colored reddish beneath. The plants are about 22 cm tall with white flowers spotted yellow and scarlet.

There is a cultivar or cultivated variety 'Tricolor,' the magic-carpet saxifrage, with variegated leaves — dark green, gray green, ivory-white and flushed with pink or rose.

The botanical name, *Saxifraga stolonifera*, indicates that the plant bears stolons or runners. In some books it is listed as *Saxifraga sarmantosa*.

The plant is neither a begonia nor a geranium. And, although the runners will creep over the ground, it is hardly a sailor. Possibly, the stolons hanging from the mother plant suggested the names "old man's beard" or "Aaron's beard."

"Mother-of-Thousands" belongs to the saxifrage family, *Saxifragaceae*. Other familiar plants in this family are "Astilbe," "Bergenia," "Deutzia" and "Hydrangea." These are the botanical as well as common names. □

# Sculpture Park landscaping begins

The Macdonald Stewart Art Centre has received the go-ahead to begin landscaping part of the Donald Forster Sculpture Park adjacent to the south of the Centre.

Art Centre Director Judy Nasby says phase one of the plan, developed by Toronto landscape architect Walter Kehm, will begin in August and be completed by early November at a cost of \$100,000.

The plans call for a landscaped setting in which existing and newly acquired works, reflecting the forefront of sculptural activity in Canada from the 1980s, can be exhibited to advantage. Step one will provide a main entrance to the park, paved areas, a trellis-covered courtyard, the Donald Forster memorial plaque and the first of a large number of trees and shrubs.

"The program," says Mrs. Nasby, "calls for the completion of one area at a time so that each phase will leave behind it a fully usable facility. Further phases will define the park as a whole and incorporate a low wall and deciduous trees and evergreen shrubs as highlights to the sculpture display areas."

Paths through the park will relate closely to existing traffic patterns. They will emphasize accessibility and underline the Centre's function as a community asset. The plan calls for a children's sculpture garden and the park is designed as much for outdoor programs as for the display of modern sculpture.

The full development of the Donald Forster Sculpture Park will take place over a five-year period to allow gradual acquisition of major sculpture through purchase, commission and donation. A series of loan exhibitions will serve to introduce the various styles and concepts current in contemporary

sculpture. As the collection grows, the 2½-acre park will be further developed by adding such features as a water element, additional display areas and lighting appropriate to the overall design.

The Donald Forster Sculpture Park is expected to become a major attraction for visitors to Ontario's Festival Country. With its attractive plantings and seating areas it will serve as a people place for outdoor art classes, performances and talks by artists. It will also take its place as an important sculpture collection to be visited by serious students of this aspect of Canadian art history. □

## Art Centre fundraising

Charles Ferguson, chairman of the board of trustees for the Macdonald Stewart Art Centre, has announced the launching of a national fundraising campaign to raise the \$450,000 required to complete the landscaping of the Donald Forster Sculpture Park and to provide for future acquisitions and programs.

Art Centre Director Judy Nasby says the fundraising campaign will be directed primarily towards corporations and foundations.

The Hon. Pauline McGibbon has agreed to act as honorary chairman. John Rennie will serve as campaign chairman and the committee includes Edmund C. Bovey, Cecil H. Franklin, William C. Hamilton Jr., Kenneth O. Hammill, Alan R. Marchment, John Purdy, J. Paul Truex, Dr. William C. Winegard as well as John K. Babcock as campaign advisor, Mr. Ferguson and Mrs. Nasby. □



"Passages" by Kosso Eloul in the Donald Forster Sculpture Park.

Derek Wing, Alumni Affairs

## GRADUATE NEWS

### Richard Bradley

The final oral examination of Richard William Bradley, Zoology, a candidate for the Doctor of Philosophy degree, will be held Friday, June 22 at 2 p.m. in Room 168, Botany and Genetics/Zoology building. The thesis is entitled "Factors Influencing the Acute Lethality of Zinc to Rainbow Trout." Mr. Bradley's supervisor is Dr. J.B. Sprague.

Interested members of the University community are invited to attend. □

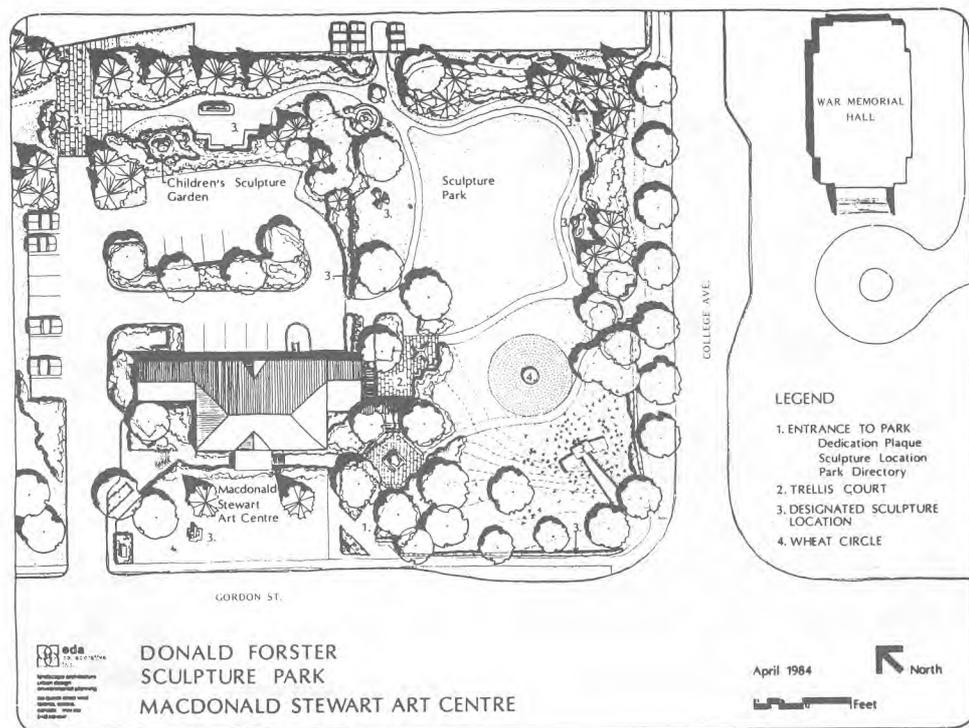
### Master's in philosophy of science approved

A Master's degree in the philosophy of science was approved by Senate recently.

Designed primarily for science graduates, the program will help them develop a more reflective understanding of the nature of science. Philosophy chairman Bill Hughes explains that the program is not intended to turn scientists into philosophers, but into better informed and more reflective scientists. Some of the issues that may appeal to prospective students, many of whom are expected to be high school science teachers, are the questions of Darwinism and creationism and the nature of scientific revolutions.

Applicants must hold an honors or equivalent degree in the physical, natural, social sciences or history. They must also have taken four courses in literature, history or philosophy. As is usual for graduate programs, prospective candidates must have at least a B average in their final two years. The Master's is available with either course or thesis options.

Some enquiries have already been received from prospective students. Prof. Hughes says the Department expects most interested students will complete the Master's on a part-time basis. No more than five or six students are expected in the early stages, he says. □



# Guelph-Beijing exchange flourishes

Professor John Cairns recently returned from China where he met with officials of Beijing Agricultural University in connection with the Guelph-Beijing exchange.

The Director of the Centre for International Programs, who looks after the administration of the University's overseas programs, discussed final arrangements for the Beijing Conference on Confined Animal Production Systems being held this month, and planned future phases of the Beijing exchange, now in the second year of a four-year agreement. The program, however, is expected to be an ongoing one. Prof. Cairns explains that the Chinese are determined to make up for time lost during the Cultural Revolution, welcome foreign academics and send increasing numbers of their own scholars and students abroad for study.

Prof. Cairns expects that five or six more Guelph faculty will visit China in the next year, with at least three Chinese academics making return visits in the same period. The exchange is now running at a little below \$200,000 a year, funded by the Canadian International Development Agency, with the Chinese contributing about the same amount. Prof. Cairns explains that this is a cost recovery program for the University, with faculty time and expenses covered under the terms of the CIDA contract.

As part of the program, several Chinese scientists have visited Guelph to broaden their knowledge of modern scientific techniques, and Guelph faculty have made visits to China to give lectures, run workshops and work with Chinese colleagues. There is currently considerable pressure by the Chinese to place graduate students in Canada and it is possible that Guelph may accept a limited number in conjunction with the program.

Prof. Cairns also met with members of the China Association for Science and Technology, the major umbrella group of Chinese scientists, to discuss tentative plans for a conference on Biotechnology and Agriculture in 1986. Professor Dennis Howell will continue these discussions during a planning visit this fall.

The Beijing exchange now operates in four areas — agrometeorology, meat science, poultry science and veterinary medicine. Two Chinese visiting scholars, Madame Duan Ruo-xi and Professor Liu Hanzhong, are now working for one to two years with Land Resource Science professors Terry Gillespie and George Thurtell, who visited China last spring, and with Murray Brown who is expected to travel to China in late 1984 or early 1985. Professor Han Xiang-Ling will come in late July to spend three months working with Prof. Brown.

Animal Science professor Steve Jones visited Beijing last summer to initiate the meat science exchange program, an area the

Chinese are keen to develop. Food Science, another relatively new area for the Chinese, is also being investigated as the basis for co-operative work, particularly in the areas of packaging and storage.

The veterinary exchange is well established. Professor Frank Milne visited Beijing in 1982 and played host to Chinese professor Chen Jia-pu when he came to Canada to study modern treatment techniques and visit artificial insemination and ovarian transplant units around the country. OVC Dean Doug Maplesden and his assistant Jean McDonald have also visited Beijing as has Pathology professor Dick Julian. Clinical Studies professor John Baird is currently in Beijing and Dr. Don Barnum, Veterinary Microbiology and Immunology, will be there in the fall.

The Beijing institution has already benefited substantially from the exchange. Prof. Cairns recalls that four years ago few faculty knew English. "Now several hundred can manage with the language," he says. "The benefits to Guelph participants are also considerable and Guelph faculty who visit China find it a most rewarding experience."

Beijing also has a program with Hohenheim University in West Germany, concentrating mainly in the area of co-operative research, in contrast to the Guelph exchange which is chiefly concerned with faculty upgrading and conference development. □



*Professor John Summers, centre right, and Professor Shen, centre left, with Chinese government officials in Beijing.*

## Chicken and egg production in China

Professor John Summers, Animal and Poultry Science, has recently returned from the People's Republic of China where he addressed teachers, farmers and government officials on poultry feeding and nutrition. His eight three-hour lectures drew capacity classes of 260 people, confirming a keen interest in the development of a poultry industry in that country.

The Chinese government, explains Prof. Summers, is committed to expanding chicken and egg production, partly to add variety to the country's present dependence on pork and partly to respond to export market demands, particularly into Hong Kong.

The development of large-scale poultry operations on the communes and the granting of limited free market privileges to the smaller peasant farmers have greatly enhanced the popularity of the backyard hen as an important source of much-needed cash.

Faced with the need to address himself to the problems of operating with as few as 10 pullets or as many as a quarter of a million, Prof. Summers found it desirable to broaden the range of his lectures to include applied poultry feeding and some of the basic elements of poultry management for the benefit of those whose job it was to stimulate small-scale as well as large-scale production.

Prof. Summers' mission to China was part of the ongoing exchange of Guelph faculty members with the University of Beijing, sponsored by the Centre for International Programs. His visit included a trip to Shanghai where he delivered a further lecture to 65 scientists and officials.

Assisting and translating for Prof. Summers during his three weeks in China was Professor Huile Shen who previously spent 2½ years in Guelph as a visiting professor in the Department of Animal and Poultry Sciences.

Prof. Summers returned with a healthy respect for Chinese vigor and enterprise in reviving the country after the 20-year setback of the Cultural Revolution. "The Chinese," he says, "are importing a great deal of Western technology into Beijing and exporting it to their provinces as quickly as they can train the necessary teachers, operators and managers. They appear to be very advanced in field crop production where they can make full use of their ample manpower but have a long way to go in the scientific management of livestock." □

Plan a campus event  
for  
Ontario's bicentennial.



## Guelph shares confined animal expertise

Four Guelph faculty members were recently in China for the Conference on Confined Animal Production Systems. Canadian co-ordination of this meeting, funded by CIDA and the Chinese government, was carried out by Department of Animal and Poultry Science Chairman, Professor Roger Hacker. The Canadian contingent included two animal scientists — Prof. Hacker and Professor Doug Morrison, two veterinarians — Clinical Studies Chairman, Dr. Russ Willoughby and Brian Brandenberg, a consultant in Asian and tropical animal care, and two engineers — School of Engineering Director Professor John Ogilvie and John Turnbull of Agriculture Canada, who presented papers.

About 80 Chinese delegates and 14 southeast Asian participants also gave papers. The main thrust of the papers was on methods of housing animals for high productivity in confinement. These include not only traditional farm animals such as dairy and beef cattle, poultry and swine, but also fish.

Prof. Hacker says the Chinese participants, who included academics and extension people, are keen to learn advanced methods so they can transmit them to agriculture students and farmers.

After four days of lectures and workshops, the conference broke into three study groups. The groups toured farms where they engaged in problem-solving under local conditions.

The conference is part of the overall relationship between Beijing Agricultural University and the University of Guelph. □

## Literary perspective on aging

So many novels deal with the experiences of youth, but the experiences of aging can be equally fascinating, according to English Language and Literature professor Gerald Manning, who is to teach a non-degree course offered as part of the University Summer Campus program, "Age and Aging: A Literary Perspective."

"The social and medical sciences have provided us with many insights into the subject of aging, yet literature can give us a unique view," notes Prof. Manning. "A well-written book presents a personal evaluation of life. This is particularly true of books concerned with aging since the imminence of death makes a character re-evaluate what life is about."

Prof. Manning stresses that the novels tend to present an ultimately positive view of life. "They are tragi-comic in recognizing that people have a great capacity to struggle meaningfully and to grow." Discussions and films will be an integral part of Prof. Manning's course.

Course details: Continuing Education, Johnston Hall, Ext. 3956. □



Assembling the wind tunnel between the Bullring and Day Hall before shipment.

## Wind tunnel used in tillage study

Two years of development work by Geography professor Bill Nickling will be subjected to a full-scale test when a 10-metre portable field tunnel built on campus is used at the Ridgeway Experimental Station for experiments investigating the effects of tillage and cropping practices on the wind erosion of agricultural soils.

The tunnel, 1 x .75 metres in cross section, is fitted with a fan capable of simulating winds up to 100 kph. Sediment traps and a laser monitor system, developed in collaboration with Physics professor Jim Hunt, will be used to determine the amount of sediment lost from field plots under differing wind and soil conditions.

Wind erosion has not been studied to the same extent as water erosion, says Prof. Nickling. "There are some areas in southern Ontario where wind erosion is a grave problem and many other areas in which the problem, although less severe, is still significant."

Instruments are available for field studies but these can only react to ambient conditions. The need for an easily portable tunnel in which winds up to gale force can be generated was recognized by OMAF and NSERC who provided the funds through the 18-month development period."

The wind tunnel is constructed in seven sections of fibreglass and can easily be moved by two people. Tests in different locations will measure the erodability of soils which have been subjected to different tillage and cropping methods.

"Hopefully, the findings will shed more light on proper soil management techniques that can help reduce wind erosion," concludes Prof. Nickling. "We can now make quite fine measurements under replicable conditions and monitor not only the sediment which is being lost to wind, but also the nutrients, pesticides and fertilizers which are lost with it." □

## Summer Campus focuses on art

Five of the courses offered at Summer Campus '84 in July are related to the world of design and art. The emphasis is on an enjoyable learning in these non-degree courses which last one week and are taught by specialists.

"Interior Design," registrants will bring a plan of their present or dream home and have fun experimenting. Interior designer, Lisa Burcher will encourage designs which express personality and accommodate lifestyle.

In "Residential Landscape Design," participants will discover with Marian Anne Stevens, new ways to develop property into a garden escape. Using lectures, slide presentations and design studios, the landscape designer will cover design principles, planting, materials, drafting and rendering. Registrants will bring a base plan of their chosen property and lots of imagination.

German-trained artist, Erich Barth will teach Calligraphy. Registrants will develop the skills that commercial artists, mapmakers, certifiers and document artists rely on to produce personal, artistic works.

Novice and experienced artists will benefit from "Drawing the Human Figure." Using nude and costumed models, Elora artist Frieda Nelson will lead the group in studying contour, line, motion, light and shade.

"The World of Cartoons" is an opportunity to learn to cartoon with internationally-syndicated cartoonist, Brian Fray. He will teach how to evolve a personal style, set down and refine an idea, develop a character, compose a gag, and write dialogue.

Course details: Continuing Education, Johnston Hall, Ext. 3956. □

**AN INFORMATION TECHNOLOGY TOWN** meeting will be held Thursday, June 28 from 8:30 a.m. to 1 p.m. in Room 105, Physical Sciences.

The objective is to promote a dialogue within the University community regarding computing and to provide, on a semesterly basis, for the presentation and discussion of issues pertaining to computing and a mechanism through which users and non-users can ask questions.

For more information, contact Peter Kahn, Institute of Computer Science, Ext. 3348 or electronic mail PKA.

**THE ALUMNI CONCERT** Sunday, June 24 at 1:30 p.m. in Music Room 107, MacKinnon building features Andreas Thiel and Anya Laurence, pianists, and Bruce French, classical guitar.

The program will begin with the "Romance in F Sharp, Op. 23, No. 2" and the "Intermezzo" from Faschingsschwank by Schumann, played by Mr. Thiel followed by a group of duets by Mr. Thiel and Ms. Laurence, "Norwegian Dance, Op. 35, No. 2" by Edvard Grieg; "Embraceable You," Gershwin-Grainger, and "Hungarian Dance No. 5" by Johannes Brahms.

Mr. French will present a group of guitar solos and the program will end with a performance of the "American Short Subjects," for two pianos, by the American composer Jeanne Singer and the "Etude de Sonorite No. 2" by Francois Morel, played by Andreas Thiel.

**THE SURPLUS SALES DEPARTMENT** has the following item available for departmental purchase only: one Canadian Tire trailer (approx. 1,000 lbs.) with wooden top - reserve price of \$250, SD #333. Ext. 8139 for further information.

**THE PURCHASING DEPARTMENT** announces for faculty, staff or students the availability of an "Education" package from Bytec-Comterm Inc. Until August 15, the world-class Canadian-manufactured "HYPERION" micro-computer will be available for only \$2,495 plus provincial sales tax. This represents approximately 50 per cent off manufacturer's list price.

This offering includes the following list of IBM compatible standard features: 256K RAM memory including RAM disk capability; two 320K Disk Drives; battery-backed clock and calendar; serial port, parallel port, external monitor outlet; North American and European electrical compatibility; amber monitor with high resolution graphics; MS DOS operating system with soft key enhancements and advanced disk basic (BASICA).

Other software and hardware options are also available at substantial savings: Lotus 1-2-3 electronic spreadsheet; in-scribe word processing software; VT-100 terminal emulator; internal 300 baud modem and software; acoustic cups and soft carrying case.

For further hardware and software information, call Ext. 3065. For ordering procedures and order forms, contact the Purchasing Department, Ext. 2547 or 2134.

**NEW COMMUNICATIONS** equipment making flow control possible, X.25 PADs, will be installed on or about July 3.

Terminals must be set to even parity; change now if necessary. Details will be announced in News from ICS. To join the mailing list contact Alison Van Roon, Publications Co-ordinator, Institute of Computer Science, Ext. 2706. For technical details on the changes contact Ian Bull, Network, Ext. 3065.

**SURPLUS SALES**, in conjunction with the Security Department, is holding an auction in Peter Clark Hall, University Centre, on Tuesday, September 25 from 6 p.m. to 10 p.m. Public viewing of items will begin at 5 p.m. and the auction will begin at 6 p.m. sharp. Any department wishing to have surplus items auctioned on their behalf should contact Dave Scott at Ext. 8139. Deadline for notification of such items in September 17.

## VISITING PROFESSOR

### David Waterhouse

Professor David Waterhouse, department of East Asian studies, University of Toronto, will deliver an illustrated lecture on "Tradition and Changes in Japanese Graphic Art," Monday, June 25 in Room 114, MacKinnon building at 10:30 a.m.

The lecture, sponsored by the Department of Fine Art, is open to the public.

Prof. Waterhouse, a graduate of Cambridge University, has published four monographs on Japanese art.

Woodcut artist Naoko Matsubara, who is Prof. Waterhouse's wife, is presently teaching a studio course in woodcuts for the Department of Fine Art. Ms. Matsubara has prepared the woodcut illustrations or presented a portfolio of her work for some 36 books, as well as appearing in numerous exhibitions. She is represented in many of the major collections, public and private, around the world. □

## Pest clinic renovations

A \$10,000 renovation has been carried out in the Pest Diagnostic and Advisory Clinic in Graham Hall. The central sink unit remaining from the days when the clinic functioned as a chicken frying lab has been cleared away and separate laboratory and office areas have been defined.

The clinic, funded by the Ontario Ministry of Agriculture and Food, received a boost last year when a full-time technician, Wendy Attwater, joined chief diagnostician Rick Wukasch on staff there. The immediate result was a clearing of the backlog and a faster, more efficient response to further enquiries as they came in.

The clinic, says Mr. Wukasch, reflects the philosophy of the Department of Environmental Biology in seeking an integrated approach to pest problems. "It is not just a matter of prescribing treatments. We also want to know if environmental stresses may have brought on the situation," he says.

Some enquiries can be dealt with by



Professor John Laing, Environmental Biology, left, discusses pest problems with chief diagnostician Rick Wukasch in Graham Hall laboratory.

telephone but staff prefer to have specimens delivered personally or sent in by first class mail or courier, along with such background information as the precise location, pattern and extent of injury, soil type, recent climatic conditions and current pesticide and fertilizer treatments. "We like to receive insects in vials, along with samples of the host material, and plants complete with roots, flowers and seeds, if available. Where the problem is

extensive, photographs can be useful," he adds.

The clinic, the only one of its kind in Ontario, handles about 5,000 enquiries every year, more than 50 per cent of which are from private home owners with the rest coming from OMAF, commercial landscapers, farms, industry, pest control officers, hospitals and health workers. □

# Complementary strengths boost (GWP)<sup>2</sup>

Professor Iain Campbell, the new Director of the Guelph Waterloo Program for Graduate Work in Physics, has every reason to view his new position with optimism. (GWP)<sup>2</sup> has soared during its first three years of operation, benefiting graduate students and faculty members at both universities.

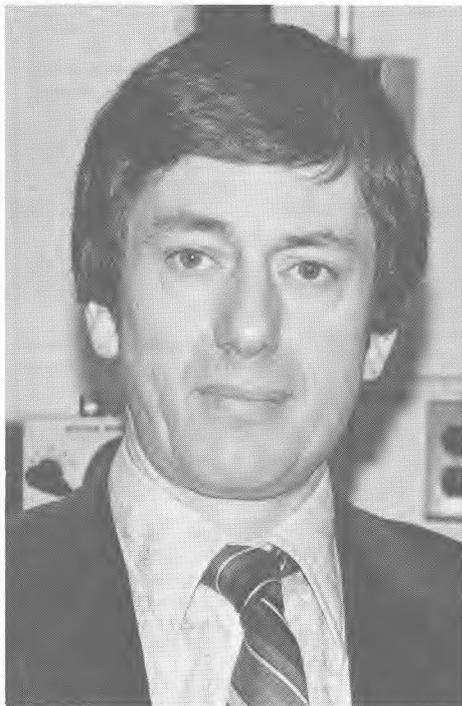
During that time, annual research funding has increased from \$1.1 million to \$2.3 million and graduate enrolment has risen to more than 50 M.Sc. and Ph.D. students. Of the 62 faculty members, 26 are at Guelph and 36 at Waterloo. Establishing the joint program has increased the breadth and depth of course offerings and research possibilities for graduate students.

(GWP)<sup>2</sup> offers among the widest choice of courses in Canada and is the second-largest physics graduate program in Ontario, says Prof. Campbell. Besides the obvious advantages for students and faculty, there is a very real fiscal benefit. Duplication of courses has been eliminated.

(GWP)<sup>2</sup> was modelled on the enormously successful Guelph Waterloo Centre for Graduate Work in Chemistry which was established in 1974. President Burt Matthews first made the suggestion that Guelph and Waterloo establish a joint graduate program in physics while he was president of the University of Waterloo. "We had a successful model to follow in (GWC)<sup>2</sup>. There was no external pressure to establish the program, but I could see potential benefits because the two physics departments had strengths that were complementary. Don Forster and I were both enthusiastic about a joint initiative, but presidential enthusiasm doesn't accomplish anything. It was the physics faculty members in both universities who got the program going," he says.

The first director, Professor D.E. Brodie, did much of the ground work of melding together the two sets of graduate regulations. After a year in the position he became dean of science at Waterloo, and Professor J.D. Leslie took over. Prof. Campbell credits his two predecessors with successfully overcoming the teething troubles of the joint venture and passing on what he describes as a "going concern."

Having a larger graduate centre results in some advantages of scale. Prof. Campbell says (GWP)<sup>2</sup> sponsors distinguished lecturers and visiting professors. "We also have the resources to actively recruit students and we have much more to offer them when they're here."



*Professor Iain Campbell, Physics, new director of (GWP)<sup>2</sup>, working on a "going concern."*

Vans run between the two universities, ferrying students and faculty to courses and seminars on both campuses. In the future, a private video link may replace some of the travel between Waterloo and Guelph.

Prof. Campbell becomes Director July 1 and the (GWP)<sup>2</sup> office will be located on the Guelph campus for three years. As Director, Prof. Campbell plans to continue building on the program's successes. "I would like to continue the controlled expansion of the program," he says. "The controlled aspect is crucial because we now have high quality that we must safeguard. (GWP)<sup>2</sup> has four fellows of the Royal Society of Canada and many of the faculty are world figures in

## JOB OPPORTUNITIES

**Administrative Secretary**, Department of Physics. Salary range: \$281.51 minimum, \$324.88 job rate (level 5), \$403.41 maximum. Open to on-campus employees only.

**Married Student Housing Officer**, Department of Residences. Salary range: \$359.30 minimum, \$417.42 job rate (level 5), \$519.49 maximum.

**Secretary**, Counselling and Student Resource Centre. Salary range: \$248.95 minimum, \$284.12 job rate (level 5), \$349.98 maximum.

**Records Clerk**, Registrar's Office. Salary range: \$217.69 minimum, \$252.53 job rate (level 5), \$312.97 maximum.

Information: 836-4900 or visit Employment Services and Training Office, level 5, University Centre.

their fields. This high quality explains much of the program's success."

Prof. Campbell would also like to encourage more of a sense of community among students on both campuses. Faculty have already achieved this sense of community through joint seminars, work on committees, collaborative research projects and annual social events. Prof. Campbell plans to initiate more activities like this for the students.□

## Computing certificate offered

To help meet the growing demand for expertise in computing, Guelph is again offering a certificate program in computing and information science.

Chairman of Part-time and General Studies, Professor Sam Luker, says the certificate program provides people with knowledge and proof of expertise, yet takes considerably less time to complete than a university degree.

Eight computer and information science courses are required for the certificate. All courses in the program are degree credit, and may be transferred if a student decides to pursue a university degree. Some mathematical background is necessary for certificate courses.

To enable people who work in the daytime to study, the first five compulsory courses are offered in the evening. They include "Introduction to Programming Principles," "Introduction to Computer Structures" and "Information Structures." The last three courses may be available in the daytime or evening, and students may choose from a variety of courses. Students wishing to specialize in a particular area may consult the program co-ordinator and consider other course options available within the Department of Computing and Information Science.

Applications to the certificate program should be received by July 1 at Part-time and General Studies, Room 153 Johnston Hall, Ext. 3494.□

## Community barbecue

The University's Annual Community Barbecue and Dance will be held Thursday, July 12. There will be entertainment for the children, a noon concert featuring Jackie Washington, a challenge for adults and a beef or hamburger dinner, followed by the "Yorktones" steel band, the "Canadian Aces" and the "Honolulu Heartbreakers" with Professor Piano. The streetdance begins at 10 p.m.

The "Community Service Award" will be presented at 6:30 p.m.

Tickets will be available at the UC box office Monday, June 25. Anyone interested in volunteering, contact Jaye Robinson, Ext. 8327, Central Student Association office, level 2, University Centre.□

# Next Week at Guelph

## THURSDAY, 84 06 21

**Meeting** - BOARD OF GOVERNORS, 1500, UC424.  
**Art Exhibit** - DON WRIGHT, Macdonald Stewart Art Centre.  
**Continuing Education** - SEXUALITY: POST CONFERENCE, 0900;  
AFFECTIVE DISORDERS, 0830, Ext. 3956 to register.

## FRIDAY, 84 06 22

**Worship** - MUSLIM PRAYERS, 1200, chapel, UC level 5; CHRISTIAN FELLOWSHIP, 1200, Johnston Hall 157A; CHINESE CHRISTIAN FELLOWSHIP, 1900, CM160.  
**Summer Cinema** - DINER, 1930, PS105.  
**Guelph Field Naturalists** - BEAVER VALLEY TRIP, June 22-24.  
**Alumni Weekend** - REGISTRATION, 1000, Johnston Lobby; GRY-PHON CLUB GOLF TOURNAMENT, 1300, Victoria East Golf Course; CAMPUS WALKING AND WAGON TOURS, 1300, Johnston Hall; OAC ALUMNI ASSOC. BD. OF DIR. MEETING, 1500, UC334; AG. EC. SEMINAR PROGRAM, 1500, SAEED102; SAEED BARBECUE, 1730, Centennial Park; ARTS RECEPTION AND DINNER, 1800, UC441; OAC RECEPTION AND DINNER, 1800, UC442; CBS CAMPFIRE, 2000, Guelph Lake; DIMENSIONS '84 ART SHOW OPENING, 2000, Faculty Club, level 5, UC; ALUMNI BEER GARDEN AND DANCING, 2100, Der Keller.

## SATURDAY, 84 06 23

**Worship** - CHINESE CHRISTIAN PRAYER, 0900, CM160.  
**Summer Session I** - CLASSES END.  
**Horticulture Day** - 1200-1630, Arboretum.  
**Alumni Weekend** - PANCAKE BREAKFAST, 0800, Johnston Hall Plaza; EXTENSION EDUCATION ALUMNI SEMINAR, 0900, SAEED142; ELORA GORGE WALK, 0900, Johnston Hall; OVC OPEN HOUSE, 1000, Small & Large Animal Admissions Lounge; CBS ALUMNI GUELPH LAKE HYDRO TOUR, 1000, Guelph Lake Conservation Area; DIMENSIONS '84 ART SHOW, 1000, Faculty Club, level 5, UC; OAC ALUMNI ASSOC. ANNUAL MEETING, 1030, PS105; MAC-FACS ALUMNI ASSOC. ANNUAL MEETING, 1030, FACS106; ARTS ALUMNI ASSOC. A.G.M., 1100, Faculty Club Boardroom, UC; SOCIAL SCIENCE ALUMNI ASSOC. ANNUAL MEETING, 1100, L/A Fireplace Lounge; ALUMNI PICNIC LUNCH, 1145, Massey Library Lawn; CBS ALUMNI BARBECUE, 1200, Guelph Lake Conservation Area; OFFICIAL NAMING OF THE J.D. MACLACHLAN BUILDING, 1200, SAEED; SAEED RECEPTION AND BUFFET LUNCHEON, 1215, UC103; CLASS REUNION LUNCHEONS: 1215, OAC'24, UC430; OAC & MAC'29, picnic, Massey lawn; OAC'32A & '34 & MAC'34, L/A Cafeteria; MAC'54, UC441; FACS'79, UC442; CSS ALUMNI ASSOC. "BRING YOUR OWN PICNIC," 1230, Athletics Field; U. of G. ALUMNI ASSOC. A.G.M., 1315, PS105; OAC'49 CLASS MEETING, 1330, MacK117; CAMPUS WAGON TOURS, 1430-1600, BRAN-ION PLAZA; DEDICATIONS, 1500, Arboretum; OAC ALUMNI ASSOC. RECEPTION, 1530, Alumni Carriage House; CPS ALUMNI ASSOC. ANNUAL MEETING, 1630, UC334; OVC ALUMNI ASSOC. RECEPTION & A.G.M., 1600, Macdonald Stewart Art Centre; GOLDEN ANNIVERSARY DINNER, 1730, Creelman; CLASS REUNION DINNERS, 1800, OAC'39 & MAC'39, UC441; OAC'39A, UC429; OAC'44, UC001A; OAC'49, PCH; OAC'54, UC103; OAC'59 & MAC'59, L/A Cafeteria; OAC'64, Whipleretree; MAC'64, UC430; OAC'69, UC001B; OAC'69A, Prairie Hall; OAC'79A, Maritime Cafeteria; OVC ALUMNI ASSOC. ANNUAL DINNER, 1900, UC442; ALUMNI DANCE, 2130, PCH.

## SUNDAY, 84 06 24

**Worship** - CATHOLIC MASS, 1000, UC442; CAMPUS CHURCH SERVICE, 1015, PS113.  
**Sunday Afternoon Walks** - SUMMER BIRDS, 1400, J.C. Taylor Nature Centre.  
**Cycling Club** - BELFOUNTAIN, 1000, UC.  
**Alumni Weekend** - BREAKFAST, 0830, Der Keller; CHURCH SER-

VICE, 1030, WMH; DIMENSIONS '84 ART SHOW, 1000, Faculty Club; OAC'69 BRUNCH, 1130, UC103; BARBECUE, 1200, Creelman Plaza; CONCERT, 1330, MacK107; CENTURY CLUB RECEPTION (by invitation), 1430, President's House.

## MONDAY, 84 06 25

No Scheduled Events

## TUESDAY, 84 06 26

**Canadian Scientific and Christian Affiliation** - CONCLUSION, 1200, UC431.  
**Meeting** - MICROCOMPUTER CLUB, 1900, ICS212.

## WEDNESDAY, 84 06 27

**Worship** - ANGLICAN EUCHARIST, 1210, chapel, level 5, UC.  
**Cycling Club** - GUELPH LINE, 1700, front of UC.

## THURSDAY, 84 06 28

**Worship** - CATHOLIC MASS, 1200, chapel, level 5, UC; CHINESE CHRISTIAN FELLOWSHIP, 1900, CM160.  
**Continuing Education** - EFFECTIVE NUTRITIONAL COUNSELLING, Ext. 3956 to register.

## COMING EVENTS

**Cheese Sale** - Friday, June 29, 1330-1500, FS125.  
**Summer Concert** - PUTTING ON AYRES, Wednesday, July 11, 1210, MacK107.  
**Community Barbecue** - July 12.  
**Summer Chorale** - FAURE'S REQUIEM, Wednesday, July 18, 8 p.m., Harcourt Memorial United Church, Guelph.

The following abbreviations are used in "Next Week at Guelph": APS = Animal and Poultry Science; UC = University Centre; L/A = Lennox/Ad-dington; CM = Chemistry Microbiology; PS = Physical Science; PCH = Peter Clark Hall; WMH = War Memorial Hall; MacK = MacKinnon building; AS = Animal Science; SAEED = School of Agricultural Economics and Extension Education; FS = Food Science.

## University Canada

Dr. George E. Connell, who has been President of the **University of Western Ontario** since 1977, will become President of the **University of Toronto** on September 1. He will replace Dr. David Strangway who has been President since last September and who had served as Acting President for a period before that. Dr. Connell's appointment, which was recommended by a 12-member search committee, was confirmed by a special closed meeting of the U of T's governing council on Saturday, June 16. A graduate of the University of Toronto and a biochemist, Dr. Connell was a faculty member there, and later associate dean of medicine and vice-president in charge of research and planning before going to Western. \*\*\* The Disraeli Project at **Queen's University** has been awarded a three-year grant of \$168,691 from the Social Sciences and Humanities Research Council to fund the editing of the next two volumes of the letters of Benjamin Disraeli. \*\*\* Appointments: Dr. Robert G. Rosehart, dean of the faculty of University Schools has been appointed interim president of Lakehead University, effective July 1; Monika Turner of McMaster University is the new OFS/CFS-O Chairperson; Donald Carlson, of Oakville, has been appointed executive director of development and community relations at **McMaster University** beginning in September and Jean de Grandpre was installed as chancellor at **McGill's** spring convocation ceremonies. \*\*\*

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