

AT GUELPH

40th
Year

Volume 40 No. 20

University of Guelph, Guelph, Ontario

June 12, 1996

AT A GLANCE

Be a sport! The Athletics Department is gearing up for its annual Gryphon Activity Camp for children aged 5 to 14. The camp combines educational activities with sports and games such as tennis, baseball, arts and crafts, swimming, volleyball and martial arts. Six weekly sessions are planned, running from July 1 to Aug. 9. Hours are 9 a.m. to 4:30 p.m. Cost of each session is \$125. Athletics is also offering a "Leaders in Training" program. For a camp brochure, call Pat Richards at Ext. 2742.

A new focus. University Affairs and Development has reorganized to put more emphasis on development and public affairs... *page 2*

Alumni home in. Hundreds of U of G alumni are expected to make their way back to campus for Alumni Weekend June 21 to 23... *page 3*

Thought for the week

A moment's insight is sometimes worth a life's experience.

Oliver Wendell Holmes



A degree of success



More than 2,000 students earned U of G degrees last week during seven convocation ceremonies. Above: Microbiology graduate Kerm Yau and his son Brighton wave goodbye to Guelph following morning convocation June 6. At top right: Convocation proves a bonnie good time for Joshua Newlands, who received a master of science in aquaculture, but he manages to keep a tight lip on the age-old mystery as to what men wear under their kilt. At bottom right: Honors psychology students Tanya Critschley, left, and Ingrid Ambus share smiles as well as degrees. For more convocation coverage, see pages 6 and 7.

Photos - Kerith Waddington,
University Communications



MAIL POSTE
10337
Guelph

A new car? Putting the kids through college?
Retiring... comfortably. Whatever your dreams,
we can make your money grow.

CIBC Banking Centre, 23 College Ave. West
Telephone: 824-6520

CIBC

We see what you see.

Development, public affairs focus of reorganization

An entire new management team will join vice-president John Mabley by this fall.

The recently appointed vice-president has restructured University Affairs and Development and refocused and realigned staff activities to centre on development and public affairs. The changes, based on recommendations made by Prof. Ken Grant following an internal review of UA&D, have been approved by Executive Group.

Personnel changes involving early retirements, voluntary buy-outs, a professional staff departure and the non-replacement of two vacant positions will enable the unit to absorb a \$230,000 cut to the 1996/97 \$2.4-million operating budget.

Development and Public Affairs, as the unit is now called, consists of three units — Campaign Programs; Alumni Affairs and Development, a merger of two previously separate units; and Communications and Public Affairs, a merger of University Communications and Community Relations. Under the restructuring, the management of War Memorial Hall has been transferred to Hospitality Services.

Searches will begin shortly for directors of Campaign Programs and Communications and Public Affairs. Paulette Samson, acting director of Development, assumes the position of director of Alumni Affairs and Development.

President Mordechai Rozanski says the reorganization will position the unit to respond to several recommendations in the University's strategic plan *Making Change*. The Strategic-Planning Commission has directed U of G to raise new revenues for the academic and support needs of the institution, to explore new rela-

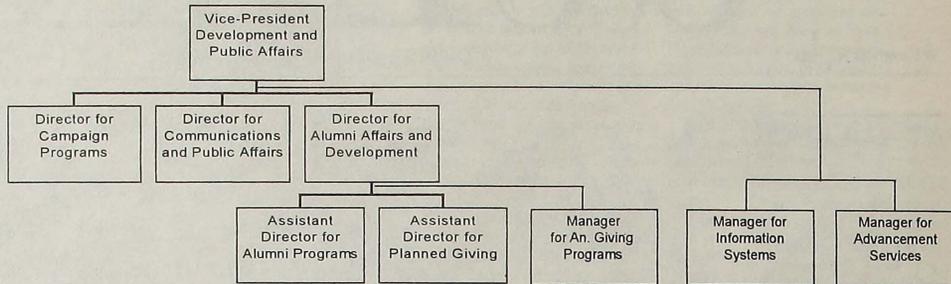
tionships with business and industry, and to develop new opportunities for alumni and other groups to be involved in Guelph's work.

"In these constrained times, we must organize ourselves for a more focused effort to raise funds to help us sustain our high quality," says Rozanski. "We have a particular need to increase support for scholarships and other student financial assistance, as well as for research and scholarship."

This will involve concentrated campaigning as well as continual annual development efforts, he says. "I am confident that the structure John Mabley has instituted will help us achieve these goals."

When Mabley joined U of G in January, he quickly identified the need for a "sales force" in support of advancement. Guelph is now in an environment where it must be on a never-ending campaign footing, he says. The Campaign Programs unit will explore every revenue-generating opportunity

Development and Public Affairs



to support the University's academic and research programs, scholarships and capital needs, he says.

"Development and Public Affairs staff understand that it is imperative that we move purposefully ahead to increase revenues with the help of volunteers and community and business leaders."

The internal review of UA&D also identified a need for closer links between the alumni affairs and development functions. This merger was carefully considered, Mabley says. A single director for these two functions will, in the long term, be in the best interests of the institution, he says, and the merger will reduce overall spending in the unit.

Rozanski emphasizes that the restructuring does not diminish the centrality of alumni affairs at U of G.

"Our alumni will continue to be a major focus of our activity and key partners in advancing the University," he says. "I am very grateful to members of the University of Guelph Alumni Association for their advice and support." He adds that Alumni Affairs and Development will be working closely with college deans in the future.

Two assistant directors will work with Samson. Kathryn Elton will be assistant director for alumni affairs and play an important role in preserving attention to alumni, says Mabley. Don Stephenson will be assistant director for planned giving (major giving through wills and life insurance). This area has considerable promise, Mabley says.

Cathy Verby will be manager of Annual Fund programs (the Parents' Program, Alma Mater Fund and Campus Fund). Two managers will be responsible for support functions.

The Grant report recommended the formation of a business office, which will be headed by Michael Herbert. This office will consolidate the financial, personnel and advertising records of all areas in Development and Public Affairs.

Tom Dean will manage information systems, and one of his priorities will be to install a new electronic data-processing system. "We need an efficient information system to support any targeted fund-raising appeals," Mabley says.

The Community Relations unit was reassigned earlier this year after director Gary Nadalin accepted the position of general manager with the Guelph Cham-

ber of Commerce. The functions of the director of Community Relations will be merged with the directorship of Communications and Public Affairs. The C&PA director will add a public affairs focus to communications and develop programs and services that will forge new strategic partnerships between the University and the community at large, says Mabley.

C&PA staff will remain on Level 4 of the University Centre, but will move to space to be vacated by the Office of Graduate Studies.

Mary Cocivera, director of University Communications, left the University May 31. Trish Walker, director of Alumni Affairs, will leave June 30. Rozanski commends them for their service to the University over the years.

"I thank Mary and Trish for their important contributions and wish them well in the future," he says.

Sandra Webster, manager of internal communications and publications, will serve as acting director of C&PA until a new director is appointed.

Grant has just completed a review of the Office of First-Year Studies and is now reviewing the Counselling and Student Resource Centre. □

Two benefit rates change

An increase and decrease in benefit rates for U of G employees went into effect June 1.

Long-term disability rates rose 9.7 per cent. For most employees, this means an increase of less than \$20 per year. The University pays an additional \$55,000 a year.

The life insurance rate dropped by 5.7 per cent. For an employee with \$100,000 in life insurance, this will mean a reduction of about \$6 a year. This drop is due to the consolidation of life insur-

ance policies of many Ontario universities under one umbrella plan through Sun Life, says Vince Pellegriano, pensions and benefits co-ordinator in Human Resources. Sun Life has guaranteed the rate for three years.

Pellegriano says the combined program gives universities access to more competitive rates, which in this case will save U of G about \$60,000 during the next fiscal year. □

Obituary

Allan Bruce, former foreman of the plumbing shop, died in Guelph March 2 at the age of 67. He was an employee of U of G from 1954 to 1988. He is survived by his wife, Isabel; his daughter, Esther Sumka, of Orangeville; his son, Gordon, of St. Thomas; and four grandchildren. A tree will be dedicated in his memory Sept. 22 at 2 p.m. at the Wall-Custance Memorial Forest at the Arboretum. □

Tucker-Johnson Limited

- Sales, Leasing, Parts & Service
- Free Courtesy Shuttle Service
- Oil & Filter Service Special on VW Products from \$24.95
- Serving the Community Since 1963



*Over 25,000 people have browsed our pages on the Web, but there's no way of telling how many of them actually believe in us!

Half km west of the Hanlon on Hwy 24
656 Wellington St. W., Guelph
824-9150 ♦ Fax: 824-7746

Golf CL Lease from \$229 (24 months)
Jetta GL lease with A/C and cassette \$299 (24 months)
*OAC plus applicable taxes

AT GUELPH is published by the University of Guelph every Wednesday except during December, June, July and August, when a reduced schedule applies. At Guelph is guided by an editorial policy and an editorial advisory board. The policy is available on request at Ext. 3864.

Views, opinions and advertisements contained herein do not necessarily reflect official University policy. At Guelph will not be liable for damages arising out of errors or omissions in advertisements beyond the amount paid for space.

At Guelph welcomes contributions from the University community, including letters to the editor, opinion pieces, publications and news about faculty, staff and student activities. Deadline is Wednesday at noon unless otherwise specified. Articles may be reprinted with permission of the executive editor.

At Guelph top stories can be accessed on World Wide Web <http://www.uoguelph.ca/atguelph>. Offices: University Communications, Level 4, University Centre, University of Guelph, Guelph, Ontario N1G 2W1. Telephone: 519-824-4120, fax: 519-824-7962, e-mail cbhance@exec.acf.min.uoguelph.ca. Office hours: 8:30 a.m. to 4:45 p.m.

UNIVERSITY OF GUELPH

Executive editor: Sandra Webster, Ext. 3864.

Editor: Barbara Chance, Ext. 6580.

Writer: Kerith Waddington, Ext. 2592.

Advertising co-ordinator: Vicki Gojanovich, Ext. 6690.

Production: Linda Graham, Ext. 6581.

Editorial advisory board: Prof. Roselynn Stevenson, Microbiology; Prof. Beverley Hale, Horticultural Science; Jim Rahn, Veterinary Teaching Hospital; acting CPES dean Robert McCrindle; Prof. Donna Woolcott, Family Studies; Prof. Donna Pennee, English; CSS dean David Knight; Lance Morgan, Central Student Association; Karen Iles, Graduate Students' Association; Linda Hoffman, Animal and Poultry Science; Cal Swegles, Human Resources; Sharon Taylor, Library; Benny Quay, Counselling and Student Resource Centre; and Guelph lawyer Robin Lee Norris.

Member of Canadian Public Relations Society, Canadian Council for the Advancement of Education, International Association of Business Communicators and the Council for the Advancement and Support of Education.

Subscriptions: \$44 (includes GST); outside Canada, \$51. ISSN 08364478. © 1996.



OMAFRA, U of G sign on. Noble Villeneuve, Ontario minister of agriculture, food and rural affairs, left, and president Mordechai Rozanski sign a memorandum of understanding to pave the way for a new partnership between U of G and the ministry. With this memo, the two organizations agree in principle to develop a partnership agreement to deliver education, research and laboratory services that will meet the needs of Ontario's agriculture and food industries in an unprecedented way. It's expected that a memo of agreement, now being discussed, will be signed this fall. Copies of the memo of understanding are available from Owen Roberts in the Office of Research at Ext. 8278. Prof. Larry Milligan, vice-president (research), is available to visit colleges and departments to discuss the proposal. He can be reached at Ext. 3081. Photo - Trina Koster

Brooks named director of GWP²

by Kerith Waddington
University Communications

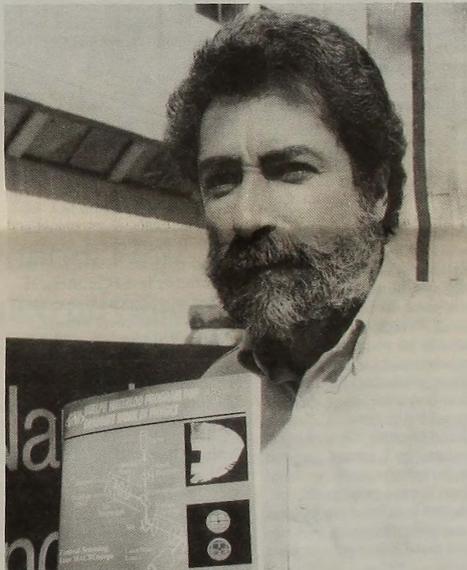
Prof. Bob Brooks, Physics, is the new director of the Guelph-Waterloo Program for Graduate Work in Physics (GWP²), the second largest graduate physics program in the province. His three-year term begins July 1.

Launched in 1981 to provide a wide range of courses for graduate physics students at Guelph and Waterloo and to encourage collaboration among faculty at both institutions, GWP² boasts an enrollment that varies between 75 and 90. Currently involving 75 graduate faculty from three universities (Guelph, Waterloo and Wilfrid Laurier) and affiliated research laboratories, the program has both teaching and research components.

Brooks, who is graduate co-ordinator for the Department of Physics and a member of the program's co-ordinating committee, has been involved with GWP² since 1984. He believes the program's most immediate challenge lies in weathering budget cut-backs and finding the research funds needed to maintain its status in the province.

"Collaboration is enabling students to have access to a greater selection of courses and expertise, and I'd like to help find ways to see this continue," says Brooks. "Our student numbers recently reached 90 because of the opportunities presented by the program, and this is a record of which both universities are deservedly proud."

His responsibilities as director include overseeing the admission process, being responsible to students in the program and helping faculty select students for their research programs. He also plans



New GWP² director Prof. Bob Brooks says the program has a record it can be proud of.
Photo - Kerith Waddington

to explore ways of building bridges with the private sector and smaller high-tech companies, which are potentially the future employers of GWP² graduates.

Technology is helping collaborative programs like this become a reality, says Brooks. Although Guelph and Waterloo are 30 kilometers apart, they are joined electronically by two microwave links servicing two fully equipped video classrooms. That means students wishing to take a course offered at the partner institution can do so without having to commute. Student advisory committee meetings and comprehen-

sive examinations are also now performed over "the link."

Research in GWP² spans such disciplines as astrophysics, atomic molecular and optical physics, chemical physics, and nuclear and particle physics. Participants have received recognition for their work as fellows of the Royal Society of Canada and the American Physical Society, as Sloan and Alexander von Humboldt fellows and as winners of the Herzberg Medal and Polanyi Prize.

With Brooks's appointment, the main office of GWP² comes to Guelph. The directorship alternates between the two universities every three years. Previous directors from U of G have been provost Iain Campbell and Prof. Ross Hallett.

Brooks encourages students interested in the program to pick up a brochure at the GWP² office in Room 217 of the MacNaughton Building or to check out the Web site <http://www.physics.uoguelph.ca/gwp2/GWlist.html>. □

Bring it on home for Alumni Weekend '96

by Tina Veltri

"There's no place like home, there's no place like home."

We've all heard those words chanted by the unforgettable Dorothy in the classic movie *The Wizard of Oz*. Well, Dorothy was right. So pack your bags and tap your heels together for a trip back home for Alumni Weekend June 21 to 23.

The hundreds of alumni who work on campus won't need to pack a bag, but all are invited to attend the weekend activities, enjoy the fun and share the memories with those coming from greater distances.

Highlights of this year's Alumni Weekend include a special 25-year reunion celebration for all 1971 graduates. Be sure to bring comfortable shoes Saturday for a guided walking tour of the campus and a hearty appetite for the alumni picnic that follows. Relax after lunch with a wagon tour of the campus, and top it all off with a special 25-year reunion, reception and banquet in Peter Clark Hall. Many other classes will also hold reunion luncheons and dinners on Saturday, along with the traditional Golden Anniversary Dinner.

Don't miss the presentation of the Alumnus of Honor Award to 1970 B.Sc. graduate Ginty Jocius at the alumni picnic. Jocius, who is president of his own communications and marketing firm in Guelph — Ginty Jocius and Associates — is being honored for his extensive involvement with the University and his leadership in business, industry and the community. Early in his career, he served as executive assistant to two Ontario ministers of agriculture and is still active in provincial politics. He is a director of the Developing Countries Farm Radio Network and a member of the Ontario Institute of Agrologists.

Last year, Jocius was named Canadian Marketer of the Year by the Canadian Agricultural Marketing Association for his launch of the Outdoor Farm Show held each fall near Burford. He recently helped launch Rotary Canada's *Gift of Wings* project and led the Guelph Rotary Club in a successful \$1-million fund-raising campaign.

The OVC Alumni Association will present its Distinguished Alumnus Award Saturday at a noon luncheon to 1957 graduate Donald MacDonald, a former member of Board of Governors. MacDonald has done much to advance public trust in the veterinary profession. In addition to meeting clients at MacDonald Animal Hospital on Bloor Street in Toronto, he has advised hundreds of thousands of pet owners via radio and television.

While serving on the Ontario Veterinary Association Council in the 1960s, MacDonald helped launch the community college program for animal health technicians. He was chair of the provincial licence and review board under the Animals for Research Act and served as Ontario representative, and later president, of the Canadian Veterinary Medical Association.

While visiting OVC for the

presentation, schedule some time to see a display of artifacts from the C.A.V. Barker Museum of Canadian Veterinary Medical History. Visit the display Saturday from 9:30 a.m. to 3 p.m. in Room 2635 of OVC.

Alumni Weekend wraps up Sunday with the annual meeting of the U of G Alumni Association and a farewell brunch. The Alumni Volunteer Award will be presented to 1949 OAC graduate Robert Murray in recognition of his loyalty and commitment to U of G. He served several years on the OAC Alumni Association board and was instrumental in giving undergraduate and graduate students a voice among alumni.

Murray led alumni involvement in the review of OAC that eventually led to significant changes in its curriculum. He also joined the University's strategic-planning process in its early days to ensure a strong alumni voice in the process. He is a member of the OAC Alumni Foundation, represents alumni on Senate and was one of the key advocates for the development of GUARD Inc., of which he now serves as CEO.

Alumni Weekend events

June 21

- Guided walking tours of campus, 1 and 3 p.m., leaving from Alumni House.
- Welcome barbecue, 6 p.m., Lennox/Addington dining room.
- Observatory tours, 9 and 10:30 p.m., MacNaughton Building.

June 22

- Slo-pitch tournament, 9 a.m. to 5 p.m., south quad diamonds.
- Demonstration of artifacts from the C.A.V. Barker Museum, 9:30 a.m. to 3 p.m., OVC Room 2635.
- Guided nature walk through the Arboretum, 9:30 a.m., leaves from Alumni House.
- Guided walking tour of campus, 10 a.m., starts at Alumni House.
- Guided tours of OVC and demonstrations, 10 a.m., Lifetime Learning Centre.
- Alumni picnic and presentation of Alumnus of Honor award, noon, Creelman Hall.
- OVC luncheon and presentation of OVC Distinguished Alumnus Award, noon, Lifetime Learning Centre.
- Mac '56 quilt dedication, 2 p.m., FACS Building.
- World Wide Web demonstration, 3:30 p.m., Thornbrough Room 100.
- 25-year reunion, reception and dinner, 5 p.m., Peter Clark Hall.
- Golden Anniversary Dinner, 6 p.m., Lifetime Learning Centre.

June 23

- Church service, 9 a.m., War Memorial Hall.
- Alumni House open house, 10 a.m.
- Farewell brunch and presentation of Alumni Volunteer Award and Gordon Nixon Leadership Awards, 10:30 a.m., Creelman Hall. □

Gordon to be repaved

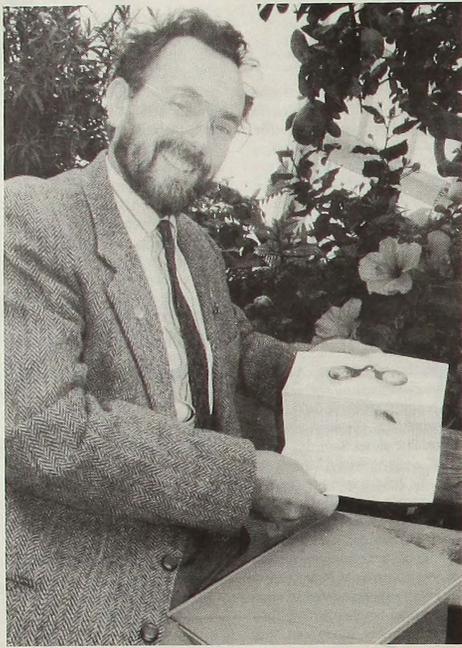
Gordon Street will be repaved from Stone Road to Wellington Street during the last two weeks of June, resulting in lane closures near the University.

Marking the final phase of the Gordon Street reconstruction project that started last summer, this

second paving of Gordon will be synchronized with the completion of sidewalks in front of OVC and War Memorial Hall. Landscaping, lighting and signage changes at the Macdonald Stewart Art Centre will also continue during this time. □



World At Guelph



Prof. Peter Kevan holds a brochure about a field course fund he has established with Rob McLaughlin, a sessional in the Department of Zoology. Donations can be made through Alumni House in support of field courses on environmental and ecological education.

Photo - Kerith Waddington, University Communications

Mexican field course explores pollination

by Kerith Waddington
University Communications

Having a stigma can be a real pitfall.

That's what senior students taking a two-week course on pollination biology in Mexico are learning and what a new book outlines.

Pollination Biology, a collection of research papers by senior students taking the first U of G/Universidad Nacional Autonoma de Mexico (UNAM) field course in Mexico in 1994, was edited by Prof. Peter Kevan, Environmental Biology, and former research assistant Carlos Greco. Written in English and Spanish and produced with support from the Alma Mater Fund, the text is now available in libraries at each of the partner institutions.

Paired with an updated course manual, *Pollination Biology* is an important development in the establishment of the young bi-national course, says Kevan.

"Besides offering interesting information on the mutualistic relationships that form between organisms in the course of pollination, the text has the potential to generate interest in the subject and help future participants get a handle on the kinds of research they can pursue while in Mexico," he says. "I feel it will become a valuable information tool for students north and south of the United States alike. Moreover, the principles of the ecology of the basic mutualism exemplified by pollination interrelationships apply to co-evolutionary ecology as a whole."

Now in its second year, the

course on pollination biology — the study of how a flower's pollen gets from the anther to the stigma in the fertilization process — was originally a theory course that Kevan developed into a field practicum in 1990. It is being offered every other year at the end of the spring semester at a cost of about \$1,000 per Canadian student, which covers travel and accommodation in Mexico.

To date, about 75 English- and Spanish-speaking students have participated in the program, says Kevan, and it has been well-received.

"The language barrier is overcome with a lot of fun, and students are very enthusiastic about the nature of their experiences," he says. "And the quality of research coming out of the course makes my job as professor and editor both interesting and pleasurable."

Kevan is also fine-tuning a "Biodiversity and Human Ecology" course offered this year on the Atlantic coast of Nicaragua. Currently non-credit only, the 17-day field course is estimated to cost \$1,300 per student.

PhD environmental biology student Svenja Belousoff, who participated in the Nicaragua program, believes it's important for ecologists to travel through such areas to understand how the people living there survive. The lessons learned there increase the likelihood that wise and informed suggestions about conservation issues can be made, she says.

Anyone interested in either of the field courses should call Kevan at Ext. 2479. □

Fertilizer is brewing in Zimbabwe

by Kersti Kahar
Office of Research

Put beer on the rocks and what do you get? A U of G researcher knows — he's using the unusual blend of local resources to make badly needed fertilizer for Zimbabwe's farmers.

Prof. Peter van Straaten, Land Resource Science, aims to help Zimbabwean farmers through resource development. He's targeting the smallholder or sustenance farmers who can't afford chemical fertilizers.

Working in the growing area of agrogeology (an interdisciplinary science combining geology with soil science), van Straaten is using expertise and indigenous resources — including phosphate deposits and beer residue from local home breweries — to create a practical fertilizer that's accessible to farmers.

"What we're trying to do with agrogeology is put geology in the service of agriculture," he says. "We're looking for indigenous mineral and organic resources that can be developed into a material that improves soil productivity."

For more than 20 years, van Straaten has been involved in agrogeology projects in Africa and the Indian subcontinent. One of his first projects was in Tanzania, where his team — consisting of both local and U of G scientists — discovered local phosphate deposits, one of which could support a given district for 30 to 40 years. Although the local phosphate can be an excellent fertilizer, however, it isn't very soluble in its original state. So the team had to find a way to modify the material's mineralogy.

The difficulty faced by researchers in Tanzania inspired van Straaten's work in Zimbabwe. The two projects are similar in that both faced the problem of insoluble phosphate; they differ in that Zimbabwe is a more

developed country and has its own fertilizer industry. But as van Straaten notes, that doesn't help the small-scale farmer.

"The problem remains the same for smallholder farmers — they can't afford chemical fertilizers. And moreover, they aren't always available or effective."

Van Straaten and his team decided to use the powdered wastes from phosphate mines because powdered phosphate is more soluble. But local farmers didn't want a powder; they wanted something granular that looked like fertilizer. So the researchers set about developing a pelletizing technique that could produce a low-cost phosphate fertilizer product using only Zimbabwean resources and technology.

The method was simple. A powdered mixture of phosphate wastes and locally available triple super phosphate was combined with water on an inclined rotating disc. The addition of beer residue — a widely available indigenous

resource owing to Zimbabwe's thriving home breweries — had a binding effect, thus preserving the fertilizer's consistency.

The pelletized fertilizer has been tested under controlled conditions in greenhouses, in field trials and by participating farmers. So far, the trials have yielded encouraging results, says van Straaten. Preliminary figures indicate that the agronomic effectiveness of this material will be in the range of 80 to 95 per cent that of chemical phosphate fertilizer.

"The advantage of this material is, of course, twofold," he says. "We don't have to ship so much material from phosphate mines and, most important, we can reduce the price of this material by almost half. Our main focus is on indigenous resource development in Zimbabwe, with Zimbabweans, for Zimbabweans."

Van Straaten's work is funded by the International Development Research Centre. □

Field studies receive support

Seven awards were made in the latest round of international field study grants.

Kimberley Cowan, an MA student in the Collaborative International Development Studies (CIDS) program, will spend the fall semester in the Caribbean analysing a women's co-operative and how it empowers women.

Martin Winston, a B.A.Sc. student in applied human nutrition, is in the Philippines until July examining Filipino culture, food paths and food.

CIDS undergraduate student Juniper Glass will travel to India in November to work on the project "Feminist Activism and Scholarship: Problems and Possibilities for Canadian-Indian Partnership."

Nadine Evans, an M.Sc. student in the University School of Rural Planning and Development, is in Vietnam until September examining international tourism development.

Sarah Rosloski, an M.Sc. student in environment biology, is in Namibia until next May conducting research on low-input nematode reduction.

MA sociology student Maria Schneidersmann will spend the fall semester in Barbados exploring the role of small business in the development of the Caribbean.

MLA student Marina Unger will travel to New Zealand in October to evaluate the positive and negative effects of creating a national park. □

POSTCARDS



Prof. **John Pratschke**, Consumer Studies, has just returned from the Czech Republic, where he attended a conference on "University Education Focused on Economics Management and Entrepreneurship" at Masaryk University in Brno.

Pratschke also visited Masaryk in December under a grant from the Professional Partnerships Program, which is administered through the Associated Universities of Canadian Colleges for the Ministry of Foreign Affairs and International Trade. He gave seminars on "A Macroeconomic Overview of the Contemporary Economy of Canada" and "Personal Financial Management in the Emerging Czech Economy." He also attended the presentation of the prestigious Karel Englis Economics Award to Prime Minister Vaclav Klaus. In addition, Pratschke met with faculty at Palacky University in Olomouc to discuss changes in their business and economics programs.

Prof. **Terisa Turner**, Sociology and Anthropology, spoke at the third annual Conference on Africa, entitled "Multinational Corporations: The Impact on Economic Development and Human Rights in Africa," at Columbia University in New York. Her talk focused on human rights and economic development

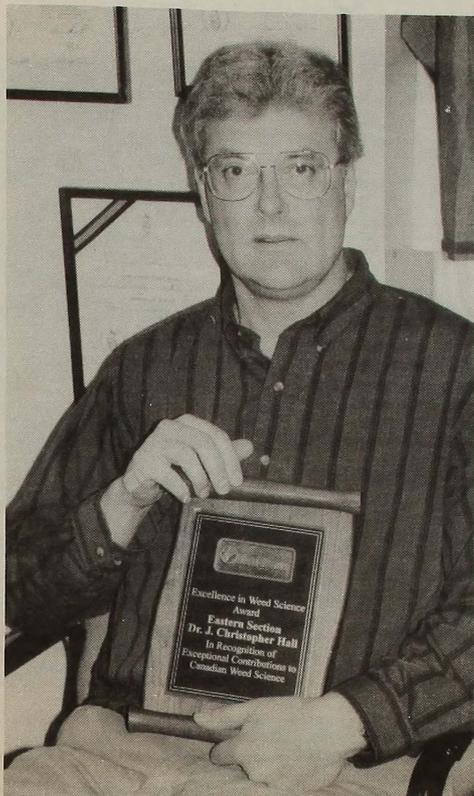
in the ex-colonial societies — Nigeria, East Africa and the southeast of Mexico.

Prof. **Marta Rohatynskij**, Sociology and Anthropology, co-chaired a symposium on "Ethnography of Ethnography: Generating Ethnographic Statements and Cultural Brokerage" at the 25th-anniversary meetings of the Association for Social Anthropology in Hawaii. She was also invited to participate in a session assessing the state of anthropological research on the island of New Britain, Papua New Guinea.

Prof. **Jim Shute**, director of the Centre for International Programs, travelled to the Netherlands in April to serve on the review committee for a Dutch project designed to firmly establish international education in the Netherlands system of higher education. The committee is assessing the quality of six Dutch institutions involved in the project. Shute will return to the Netherlands in September for a site visit.

Prof. **David Piggins**, Psychology, gave a talk on animal eyes and vision to the north Wales branch of the Association of Optical Practitioners. He also gave a seminar in the department of clinical veterinary medicine at the University of Cambridge. □

A W A R D S



Prof. Chris Hall

Photo - Mary Koske

DowElanco honors Hall for weed science advances

Prof. Chris Hall, Environmental Biology, has received the 1996 DowElanco Excellence in Weed Science Award for advances in the physiology and biochemistry of herbicide action, weed resistance to herbicides and immunochemical methods for detecting pesticides in the environment.

Hall, who is chair of the turfgrass research committee at the Guelph Turfgrass Institute, received the award at the annual meeting of the eastern section of the Expert Committee on Weeds.

Peter Desai, DowElanco's director of research and development, says Hall's research has had a significant impact on the understanding of weed resistance, plant physiology and biochemistry of herbicides in Canada. "He is one of the world leaders in the area of immunochemistry and its applications to pesticides."

Hall also has an international reputation as a world-class researcher and outstanding teacher in the area of herbicides, says Desai.

"His visionary approach, curiosity and determination to continually look for scientific understanding have made him a leading scientist in his field. I am convinced that his students are going to be the future technical leaders in Canada."

Hall's research explores the effects of herbicides on the physiology and chemistry of weeds and crop plants with the aim of selectively eliminating weeds without killing crops. He also focuses on the control of weeds in turf with-

out pesticides and the development of simple immunochemical-based tests to measure pesticide levels in water, soil, food, urine, blood and semen.

He credits the success of his research — and the receipt of the DowElanco award — to the financial and moral support of government, industry, weed science colleagues Profs. Gerry Stephenson, Clarence Swanton, Vince Souza-Machado, Jack Alex and the late Glen Anderson, as well as his students, postdoctoral fellows and technicians. □

SSHRC supports eight

The Social Sciences and Humanities Research Council has provided the following support:

- \$30,000 a year for three years to Prof. **Barbara Morrongiello**, Psychology, to study "Influences on Children's Risk Taking and Parent Decisions About Safety Education";
- \$50,000 over three years to Prof. **Linda Wood** for the project "Discourses of Child Sexual Abuse";
- \$27,000 a year for three years to Prof. **Susan Pfeiffer**, Human Biology and Nutritional Sciences, to study "Behavior and Biological Relationships of Early Hunter-Gatherers of Southern Africa";
- \$22,000 over three years to Prof. **Mary Cyr**, Music, for the project "The Cantatas of Ra-

Tung named food technologist fellow

Food science professor Marvin Tung has been named a fellow of the Institute of Food Technologists (IFT) for his contributions in the field of food science and technology over the past 25 years. He joins eight other Canadians who have received the award, including Profs. John deMan and Dave Stanley, Food Science.

Tung, who came to U of G in 1994 to hold the NSERC/George Weston industrial research chair in food-packaging technology, is recognized for his food and packaging polymer research and as a thermal food-processing specialist by industries across North America.

Companies such as General Foods, Hershey Foods, Nabisco Brands and Kraft Foods have sought his advice on applying food texture and rheological measurements in their operations.

Tung's research has resulted in practical applications in a variety of commercial settings. He helped develop the squeezable plastic bottle as well as the retort pouch.

He also helped develop a comprehensive nine-day annual course on thermal processing, which has been attended by food industry and regulatory personnel for 10 years.



Prof. Marvin Tung

Photo - Mary Koske

Tung has been an IFT member for many years, was the first Canadian chair of its food engineering division and is a member of its constitution and bylaws committee.

Before coming to the University of Guelph, Tung was professor

and head of food science and technology at the Technical University of Nova Scotia and director of the Canadian Institute of Fisheries Technology.

He began his career at the University of British Columbia in 1970. □

Chemistry/biochemistry students honored

The Department of Chemistry and Biochemistry presented its annual student awards at a ceremony hosted by **Yolanda Weir** and **Tiffany Lang** of the Chemistry/Biochemistry Club and organized by Profs. **Elmer Aleya** and **Hamish Rattray**.

Winners included **Matthew Biggar** (B of G Scholarship and J.D. MacLachlan Scholarship); **Fiona Robinson** (CPES Alumni Association Scholarship, Honors Applied Biochemistry Scholarship, Canadian Industrial Scholarship, Merck Frost Award and Wellington Laboratory Prize); **Jennifer Benstead** (Samuel Aecker Memorial Scholarship); **Loren Phippen** (Honors Chemistry/Biochemistry Scholarship); **Vicky Houtzager** (George A.

Farley Scholarship); and **Darren Holub** (CPES Alumni Association Scholarship and Dean's Scholarship).

Winners of the Alma Mater B.Sc. Scholarship were **Jason Shack** and **Laura Zajchowski**, who was also the recipient of the Hypercube Scholar Award.

Charles Mitchell, **Sabina Keen** and **Lisa Meertens** received the CPES Dean's Scholarship, **Sheri Rowe** was awarded the Honors Applied Chemistry Scholarship, and **Michal Niemkiewicz** was the recipient of the Honors Biochemistry Scholarship.

U of G Entrance Scholarships went to **Teresa Brooks**, **Julie Comber**, **Steve Hegarty** and **Jennifer Kovacs-Nolan**. The So-

ciety of Chemical Industries Prize was awarded to **James Blackwell**, **Jennifer Fox**, **James Oak** and **Ariel Dinardo**.

Other award winners were **Jeremy Yethon** (Guelph Soap Company Scholarship); **Emma Cheng** and **Melinda Frank** (Wellington Laboratory Prize); **David Alexander** and **Crista Thompson** (Analytical Biochemistry Award); **Timothy Robinson** (Floyd Roadhouse Prize); **Shelley Haveman** (Chemistry/Biochemistry Co-op Book Prize); **Mitchell Refvik** (Harold Suderman Demonstrator Award); and **Susanne Hantos** and **Tanya Rietveld** (Chemical Institute of Canada Prize). □



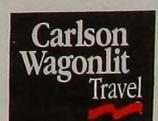
Travel the world by Email



For quick, easy and efficient service, contact us at our email address

cwt.guelph@sympatico.ca

29 Wyndham St. N.
824-5950



Owned and operated by International Travel Service

Congratulations to th

Some 2,060 U of G students graduated last week during seven convocation ceremonies. On these pages, *At Guelph* provides highlights from the week.

Use the creative process to succeed

Artists are not icing on the cake but the bread of life, and society must recognize and support their contributions if it is to continue to thrive, says dramatist George Luscombe.

Speaking to graduates of the College of Arts at morning convocation June 5, where he received an honorary degree, Luscombe praised the innovation and improvisation of the creative process and noted society's debt to it. He assured the graduates that the skills they have acquired in the arts will stand them in good stead.

"The ability to communicate and be creative is highly valued in today's changing world," he said, "and I've learned through personal experience as an actor that the imagination, the creative process, supersedes all. The movers and shakers rarely make time for artistic values, however, so I ask you as graduands and artists to determine now how you will not be shut out in the future."



George Luscombe



OVC held a garden party for its graduates and the Thursday morning. Taking tea in the afternoon are, from left, sister of DVM graduate Lana Rowell.

Future looks bright for agriculture

The agricultural sector has a "good news" story to tell, but those working in different areas within it must collaborate to move towards a brighter future.

That's the advice AGCARE president Jeff Wilson had for graduates of OAC's diploma programs at afternoon convocation June 4. Acknowledging that the number of people working in the agricultural sector is dwindling, Wilson said graduates will play an important part in the task of feeding this nation and the world. He encouraged them not to hold back for fear of failure.

"In the future, you will be judged not so much for the results of your work but for the effort that went into whatever results you were able to obtain," he said. "The world is an ever-changing place and you will have to grow with it. I hope that at Guelph you have learned how to learn."

Wilson went on to say that despite the urbanization of Ontario, members of the agricultural sector have a role to play in the province's development. He added that agriculture is the second highest economic generator in Ontario and that the more society understands what the industry is about, where it is heading and what it means, the better off everyone will be.

Be proud to be Canadian



Martin Lipset

Canada is a well-to-do, highly respected country that graduates should be proud to be a part of.

That's what political scientist and honorary degree recipient Martin Lipset told students graduating from the College of Social Science at afternoon convocation June 5.

Examining in a humorous way how Canada is viewed by outsiders as a dull but ideal country to live in, Lipset went on to discuss a political situation that is bringing the country into the international spotlight — the possible secession of Quebec. He believes that demographic changes — more than a perceived shortage of rights — are responsible for francophone grievances. He noted a number of factors that challenge the perpetuation of Quebec as a French-speaking area — religious and familial changes, a drop in the birth rate and a rise in the number of immigrants, many of whom send their children to English schools.

But Lipset believes that, secession or not, graduates face a bright future in this country.

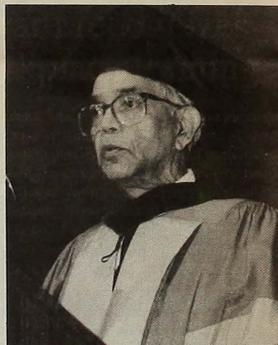
"Canada has a high standard of living, is culturally distinct from the United States and Britain, and its cultural products are receiving international recognition. You should be proud to be part of such a country."

Learning is a lifelong p

University education isn't the end but the beginning of learning, says statistician and honorary degree recipient C.R. Rao.

Speaking to graduates of CPES and OVC at afternoon convocation June 6, Rao said they must keep pace with advances in science and technology — and adapt to the constantly changing environment — to build a future that is more prosperous, more just and more secure.

"Your present knowledge can only ensure you a good start in your areas of specialization because you are embarking on your careers in a technologically fast-changing world," he said. "The purpose of university education is to open up your minds and enable



C.R. Rao

skills to do specific learning is a perpetual vigilant updating young," he said.

Choose exciting, fun work

Have fun at work because sometimes life isn't fun.

That's the message that toxicologist and honorary degree recipient Stephen Safe had for graduates of the College of Biological Science at morning convocation June 6. Sharing humorous anecdotes and thoughtful remarks, Safe stressed the importance of graduands finding a figure like Jean Vanier to emulate.

"Vanier believed in the importance and uniqueness of every human being and that those who are the most poor or vulnerable are the heart of any community," he said. "I encourage you to act so the Vanier in all of us appears in some form. It will then truly be the best of times."

Identifying the deficit and the protection of quality education as key issues facing today's graduates, Safe encouraged his audience to find work that is exciting and fun to do.

In the words of Yogi Berra, he suggested that when they come to the fork in the road, they should take it.



Stephen Safe



Chancellor Lincoln Alexander, right, congratulates new professor emeritus Jim Stevens.



Professor emeritus Brian Derbyshire, left, accepts congratulations from chancellor Lincoln Alexander.



Retired zoology professor receives the Medal of Merit from Chancellor Lincoln Alexander.

Class of June '96



Families following convocation ceremonies on June 7. From left, Zelma and Angie Waiter, mother and daughter.

Not your last commencement

Life has many rewards, and graduates can earn them as they did their degrees — with hard work, good luck and patience.

That's the message nutritionist and honorary degree recipient Helen Guthrie had for students graduating from FACS at morning convocation June 7.

Drawing parallels between the need to meet nutritional and academic requirements to achieve one's goals, Guthrie congratulated graduates on their success and encouraged them to use their skills in the area of human services to achieve more.

"This is a great day for each of you, and you have met the requirements. In the same way that you earned today's diploma, you can earn life's other rewards. This is not your last commencement."

Noting the rapid rate of technological change and the varied skills necessary to succeed in today's business world, Guthrie encour-



Helen Guthrie

aged graduates to act locally but think globally as they make their way into the early decades of the 21st century and their productive professional lives.



Flowering alongside their celebratory rose are BA graduates Jordana Bester (international development) and Ron Guirguis (co-op economics).

ACCESS

you to perceive new problems and seek solutions, which in the spirit of discovery is described as seeing what everybody else has seen and thinking what nobody else has thought."

Predicting a few of the technological changes to come and the positive results that will result, Rao cautioned graduates to beware of the material and spiritual pollution that can occur.

Acknowledging that people are now more often rewarded for their intelligence and creativity than for acquiring jobs, he told graduates that the commodity that needs 'And it will keep you



President Mordechai Rozanski, left, congratulates honorary degree recipient Ken Murray at convocation Friday afternoon and offers best wishes for his wedding the following day to Marilyn Robinson, recently retired from the Development Office.

Award recognizes workplace training

Independent Study/OAC ACCESS marked the graduation of its latest crop of diploma students last week with the first presentation of its "Greener City Award" to recognize Canadian cities providing exceptional workplace training in horticulture and landscaping. Recipients of the first award are Edmonton and Saskatoon. In 1995, these cities' parks departments each enrolled employees in more than 50 independent study courses offered by U of G.

A total of 68 independent study students graduated June 4 with Ontario diplomas in horticulture and agriculture. The class of '96 includes graduates from Alberta, British Columbia, Manitoba, Ontario, Prince Edward Island, Saskatchewan and Quebec, as well as Illinois and Indiana.

President Mordechai Rozanski addressed the graduates at an awards banquet. The ceremony also included the presentation of the Ontario Diploma in Horticulture Graduates Association Honorary Life Member Award to Prof. Jack Eggers, Horticultural Science, a turf specialist and author of independent study courses. He was honored for his outstanding service to both the horticulture program and the association. □

Appreciate, learn from others

Find people you can look up to, consult with and learn from early in life and continually throughout life — they will help you achieve your full potential.

That's the advice businessman and honorary degree recipient Ken Murray had for graduates of OAC at afternoon convocation June 7.

"I would not be standing here had there not been role models, supporters and applauders in my life," he said. "No one accomplishes anything in life on one's own. We will prosper if we understand and appreciate each other's sphere of operation and the language used in each of those realms."

Citing personal instances in which positive, helpful outcomes have been created from negative experiences, Murray reflected that all of life is a learning experience and encouraged graduates to keep learning and trying by their actions and contributions.

He also urged them to take their job seriously, but not themselves.



Advisor Mary Beverley-Burton received her Honorary Degree from Chancellor Lincoln



Joseph Cavallo, left, and Christopher Chromiak were among the first students to graduate from U of G's B.Sc. environmental sciences program Friday afternoon.

Beef study goes fishing for heart-healthy meat

by **Anne Douglas**
Office of Research

They're beefing up beef at U of G — with fish.

Prof. Jock Buchanan-Smith, Animal and Poultry Science, Prof. Bruce Holub, Human Biology and Nutritional Sciences, and research associate Ira Mandell have found a way to produce beef that's rich in heart-healthy compounds normally found in fish — Omega-3 fatty acids docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA). DHA and EPA reduce the risk of cardiovascular disease; DHA also aids in mental and visual functioning.

The researchers have found that by feeding fish meal to cattle, Omega-3s can be transferred to beef.

"We're introducing DHA and EPA into a land animal," says Holub. "It's an option for people who don't like fish or are allergic to fish."

A 100-gram (three-ounce) serving of beef naturally contains a small amount of DHA and EPA, about seven milligrams. The researchers found that in some cases, feeding fish meal to cattle boosted DHA and EPA levels to as much as 50 milligrams. That's about one-third of the daily intake associated with a 50-per-cent reduction in the risk of heart attack.

DHA and EPA lower blood triglycerides, fats that contribute to heart disease. They also reduce unnecessary random blood clotting in arteries, a phenomenon associated with heart attacks.

It's possible to enrich foods such as eggs and chicken with Omega-3s, but researchers always assumed it wouldn't work

for beef. They thought excess hydrogen from micro-organisms in the rumen of cattle would bind to Omega-3s as they pass through — which is what happens to vegetable oils in cattle feed — producing saturated fatty acids. These boost cholesterol production in the liver, which increases the risk of heart disease.

But the researchers found that DHA and EPA are indeed able to pass through the rumen without becoming saturated. They fed 63 steers fish meal, which is rich in protein and nutrients, including DHA and EPA. Instead of becoming saturated, significant amounts of DHA and EPA were stored, as is, in the cattle's muscle tissue.

"What's exciting is that we did see a significant Omega-3 enrichment of beef in the lipids deep in the muscle," says Buchanan-Smith.

They haven't yet determined why the Omega-3s make it through the rumen, but they say it's possible that DHA and EPA bind to the protein in the fish meal and get a "free ride" through.

Although fish meal as a protein supplement costs more than other protein supplements, the researchers say producers of Omega-3 beef could probably find a niche market among health-conscious consumers, who would pay more to savor the product. And although the researchers claim they couldn't taste any fish when they sampled the fruits of their labor, the next stage of the study will involve a sensory evaluation of the beef by an expert taste panel.

The researchers also collaborated with research technician Cheryl Campbell. Their work is sponsored by the Beef Information Centre, the Ontario Ministry of Agriculture, Food and Rural Affairs and the Natural Sciences and Engineering Research Council. □

Human sexuality conference set

"Women and Sexuality" is the theme of U of G's 18th annual conference on human sexuality to be held June 17 to 19. The premier sexuality conference in North America, it draws teachers, counsellors, doctors, nurses, social workers and members of the clergy from across Canada and the United States.

Keynote speakers this year are sociologist Janice Irvine of the University of Massachusetts and Naomi McCormick, who teaches psychology, human sexuality and women's studies at the State University of New York, Plattsburgh. □

Photography by Ted Carter

Photography for Classroom,
Conference & Research since 1954

- ◆ On-location scientific assignments involving biological & biomedical specimens such as gels, chromatographs, insects, cultures, instruments & plant growth
 - ◆ Specialists in infrared & ultra-violet photography
 - ◆ Aerial photography for investigative or display use
 - ◆ Complementary consultation on all aspects of photography
- Let us be your resource people — if we can't help we'll tell you who can!
- For free pick-up & delivery call
Ted Carter at 821-5905

56 UNIVERSITY AVE. W. — \$289,000



Four-bedroom, 2,400 sq. ft. home, master ensuite, living, dining, family rooms plus large kitchen. Lot 73 x 100 ft. Partly finished recreation room, work shop and laundry room.

Call 836-2827

40 Centers
Located Across
Canada
representing
over 35 Major
Cruise Lines



Ask About our
Cruise Card
Payment Plan
Options

cruiseshipcenters™
Your Dream Vacation Specialists

Ask us about our 2 for 1 Fall Special
on Carnival Cruise Lines

CLIA CANADA'S LEADING CRUISE SPECIALISTS

649 Scottsdale Drive, Unit 4,
Guelph, Ontario **823-5979**

PEOPLE

Doris Stahlbaum, who is retiring from the Office of Research after 28 years on campus, will be honored at a reception June 20 from 4 to 6 p.m. in the University Club. Cost is \$10 per person. RSVP to Karena Somer at Ext. 6927.

A reception to honor **Trish Walker**, director of alumni affairs, who is leaving the University after 19 years, is June 26 from 4 to 6 p.m. at Alumni House. In lieu of a gift, Walker has asked that anyone wishing to do so make a donation to the Ontario Student Opportunity Trust Fund through Alumni House.

John Goddard of the Department of Music and the U of G Concert Winds won two gold ribbons and a cash prize in the community band and march class categories at the Kiwanis Music Festival in Guelph.

Prof. **Judy Myers Avis**, Family Studies, gave a workshop on "Using Narrative Ideas in Family Therapy" at the Interfaith Family Therapy Training Centre in Kitchener. She also spoke on "Narrative Ideas and Therapy" at the Community Health Clinic in Guelph, gave a workshop on "Exploring the use of Narrative as a Support Technique in Working with Survivors" at the Toronto Distress Centre and led a workshop on "Preventing Family Violence" at the annual meeting of the Ontario Association for Marriage and Family Therapy. This week, she is giving the keynote address at the Millennium Family Therapy Conference in Toronto on "Gifts and Challenges: Integrating Feminist and Narrative Ideas in Therapy."

Prof. **John Gibson**, Animal and Poultry Science, spoke on "Biodiversity on Balance" at the 37th annual meeting and conference of the Ontario Institute of Agrolgists in Kingston.

Cherry Clayton, a sessional instructor in the Department of English, attended the annual conference of the Canadian Association of African Studies in Mont-

real last month. She presented a paper on "Identity, Resistance and Urbanization in Lauretta Ngcobo's *And They Didn't Die*" and chaired a panel on "Gender and Representation in African Literature." She also gave a paper at the Canadian Association of Commonwealth Literature and Language Studies conference at the Learned Societies on South African literature and postcolonial theory.

Prof. **Donna Woolcott**, chair of the Department of Family Studies, presented a research seminar at the Human Nutrition Research Centre at the University of West-

ern Ontario on the results from the Ontario health survey. She was also a panel presenter at the Health Professions Education Conference in Boston, discussing "Building Collaborative University/Community Partnerships."

Mike Wrigglesworth, a third-year engineering student, received the Agricultural Buildings Systems Bursary from the Canadian Farm Builders Association. Awarded to students with an independent interest in agricultural buildings, the bursary was presented last month by association president Bryan Hernandez. □

Get your feet wet at Club Web

If you've never "surfed" the Web before or even if you're already a veteran Web page creator, there's something for you at "Club Web."

Teaching Support Services, the U of G Library and Computing and Communications Services are offering three sessions over the next week to explore the World Wide Web and how it can be used in teaching. Running June 14, 20 and 21 from 9:30 a.m. to 11:30 a.m. in Room 103 of the library, the sessions will each feature four activity centres where

you can learn to surf and navigate the Web, explore design techniques for effective learning and get your feet wet by setting up your own Web page.

The same activity centres will be offered at each session, and participants can attend as many of the sessions as they wish. No registration is required.

For information, call Mary Nairn (mnairn@uoguelph.ca) at Ext. 3571 or Elizabeth Black (elblack@uoguelph.ca) at Ext. 2981. □

Student Housing Services has an opening for the position of Program Facilitator for La Maison Française for the 1996/97 academic year. This person is responsible for planning activities related to French and French-Canadian cultural, language, social, historical and contemporary issues.



Fluency in both written and oral French is required.

Living in residence is required (apartment).

Salary for two semesters is \$6,075.

For more information, please contact Julie West at Ext. 2789 before June 20, 1996.

Royal City Travel

Inc.

"Make Us Part of Your University Team"

- ✓ Free Ticket & Brochure Delivery to all U of G Departments
- ✓ Corporate Rate Hotel Program
- ✓ Corporate Rate Car Rentals
- ✓ Corporate Management Reports
- ✓ Customer Care Program
"Travellers 24 Hour Emergency Service"
- ✓ Senior Corporate Consultants
- ✓ A Full Service American Express Travel Agency

Give Us A Call and Find Out
Why So Many of U of G's
Faculty & Staff Choose Us
For Their Travel Needs.
We Are Here To Serve You.

763-3520

Royal Plaza (Paisley and Norfolk)



Travel Agency

Representative

ONT. LIC. #2716341

Community

A Complete Portfolio of Financial Planning Services



REGAL CAPITAL PLANNERS LTD.
823-2790 + 763-6007

- Retirement Planning
- Tax and Investment Planning
- Wealth Creation



Elizabeth McGar
100 Woolwich St., Guelph

NOTICES

Garden tour June 23

This year's Gardenscapes tour sponsored by the volunteers at the Macdonald Stewart Art Centre will feature the gardens of two members of the University community — Diane Boyd of the library and Prof. Usher Posluszny, Botany. Six private gardens will be featured on the self-guided tour, which runs June 23 from noon to 5 p.m. Admission is \$7 general, \$3 for children under 12. For more information, call 837-0010 days or 763-9771 evenings.

At the art centre

Opening this month at the Macdonald Stewart Art Centre are an exhibition by Roland Brener called "Three Boats" (June 22) and "Wish You Were Here: Works from the Collections" (June 29). Both shows run until Sept. 8. Continuing until October are "Elagiqniq," a display of Inuit art focusing on the family, and "Vast Tracts of Former Wilderness," a small exhibition of Canadian landscapes by the Group of Seven. Summer hours at the centre are noon to 5 p.m. Tuesday to Sunday. The gallery is closed Aug. 6 to Sept. 3.

Detecting free radicals

The biochemistry seminar series sponsored by the Department of Chemistry and Biochemistry continues June 26 with chemist Lawrence Berliner of Ohio State University discussing "Detection of Free Radicals In Vivo." The talk begins at 12:10 p.m. in Room 222 of the MacNaughton Building.

Painting exhibit

Guelph Museums presents "Dancing the Plat Form," an installation of recent monprint/pastels and paintings by Carolyn Riddell, at the Guelph Civic Museum June 21 to Sept. 2. The opening reception is June 20

from 8 to 10 p.m. Museum hours are 1 to 5 p.m. Monday through Sunday.

Genetic engineering

The Colonel K. L. Campbell Centre for the Study of Animal Welfare presents a discussion of "Monsters and Myths — Genetic Engineering and Animal Welfare" with Michael Appley June 12 at 7:30 p.m. in Room 1713 of OVC.

Music series set

The Guelph Chamber Music Society launches its 17th season this fall with a series of six concerts. The season kicks off Oct. 26 with pianist Jane Coop. Next up Dec. 8 are the Guelph Chamber Choir and Orchestra Hamilton. The series continues Jan. 26 with Apollo, March 2 with the Guelph Chamber Choir and Guelph Children Singers and April 19 with the Catherine Wilson Trio. Series tickets for four concerts are \$50 general, \$45 for students and seniors. For all six concerts, the cost is \$70 and \$65. For series tickets ordered by July 1, prices are \$5 less. For ticket information, call Barbara Chance at Ext. 6580.

At the Arboretum

Botanist Steven Aboud will lead a workshop on identifying and propagating ferns July 9 and 11 from 9 a.m. to 4 p.m. at the Arboretum. Cost is \$34.25. Registration and payment are required by July 2. On June 19, the Arboretum will run a workshop on sketching nature, beginning at 7 p.m. at the nature centre. Cost is \$12. To register for either program, call Ext. 4110.

Nutritional scientist speaks

Prof. Kelly Meckling-Gill, Human Biology and Nutritional Sciences, discusses "Effects of Docosahexaenoic Acid Feeding on Tumor and Host Sensitivity to the Chemotherapeutic Drug

Arabinosylcytosine in Fischer 344 Rats" June 14 at 11:10 a.m. in Room 141 of the Animal Science and Nutrition Building.

Get the facts

Looking for a chance to study or work abroad? Visit the InfoCentre in the Centre for International Programs for the latest information on research, educational and employment opportunities overseas, as well as sources of funding support. The centre is located on Level 4 of the University Centre.

Strawberry social

The Wellington County Museum and Archives presents its annual strawberry social June 23 from noon to 4 p.m. Admission is free. Entertainment will be provided in the Victorian Garden from 1 to 3 p.m., followed by a parade of hats.

Play ball!

The VON of Guelph-Wellington-Dufferin is hosting a fund-raising ball tournament June 22 at the correctional centre ball diamonds on York Road. Registration is \$120 per team, and teams must have at least four female players. The VON is also staging a bus pull

down Quebec Street June 22 at 11 a.m. Registration is \$50, and teams should consist of six men and four women. Pullers will be asked to obtain sponsors. Prizes will be awarded. To register a team for either event, call the VON at 822-5081.

Health conference

Abstracts are invited for the third Canadian Conference on International Health, to be held in Ottawa Nov. 10 to 13. The theme is "Effectiveness in Health Development." Deadline for abstracts is June 30. For more information, call the Canadian Society for International Health at 613-230-2654 or fax to 613-230-8401.

Poetry contest

The National Library of Poetry has announced that \$24,000 in prizes will be awarded this year to more than 250 poets in the North American open poetry contest. Contest deadline is June 30. Entry is free. To enter, send one original poem, no more than 20 lines, on any subject and in any style, to the National Library of Poetry, 11419 Cronridge Dr., P.O. Box 704-1944, Owings Mills, MD 21117.

Art donations sought

The AIDS Committee of Guelph and Wellington County is calling for submissions of paintings, drawings, photographs, jewelry, sculptures and more for the fifth annual "A Day With Art" auction to be held Sept. 14 at the Arboretum Centre. Intake days are July 3, 4 and 5 from 5 to 7:30 p.m. at 85 Norfolk St., Suite 204. For more information, call 763-2255.

United Way meeting

The board of directors of the Guelph and Wellington United Way Social Planning Council will hold its 24th annual general meeting June 26 from 4 to 6 p.m. at 161 Waterloo Ave. For more details, call Leysa Ligaya at 821-0571.

Microbiology seminar

Microbiologist Karlhenz Altendorf of the University of Osnabruek in Germany discusses "The High Affinity K+translocating Kdp-ATPase from *Escherichia coli*: From Transport to Signal Transduction" June 13 at 11:10 a.m. in Room 319 of the Chemistry and Microbiology Building. □

CLASSIFIEDS

FOR RENT

Furnished three-bedroom home, suitable for visiting faculty or responsible student, walking distance to downtown, available from September 1996 to April 1997, 767-0267.

One-bedroom basement apartment, old University area, parking, utilities, central air, cable, private bath and kitchen, graduate student/non-smoker preferred, available immediately, \$450 a month with first and last months' rent required, 837-1222.

Furnished four-bedroom stone home to sublet to faculty or mature student, family room, deck, two fireplaces, mature neighborhood, 15-minute walk to campus, available Aug. 1, 1996, to Aug. 31, 1997, \$1,190 a month, Ext. 3235 or 837-0055 evenings.

HOUSECLEANING

For all your household cleaning needs, weekly, biweekly or just a Spring Cleaning. References available. Christine 836-1996

TOEFL Tutoring

Individual tutoring in advanced English as a Second Language — idiomatic conversation or TOEFL preparation. Sentence structure and paragraph construction also offered for English as a first language students. Tuesday and Thursday afternoons or Friday evenings. \$22/hour, payable 2 weeks in advance. For information, please contact Mrs. Carole Pedersen, 824-5571.

FOR SALE

Pool/snooker table with slate base, nine by five feet, cues, balls and scoreboard included, call the University Club, Ext. 8578 or 824-3150.

1982 Volvo 240DL, two-door, five-speed, blue, good working order, 836-0277 after 6 p.m.

Lab chair, swivels; Bauer Turbo ice skates, size 11/12; Fergie weightlifting glove; Farmer John neoprene wet suit, size large/X-large; lightweight hiking boots, size 10/12; Matrix kayak with welded hull, 763-1486.

Three-bedroom home on large lot, Cole Road, finished basement with fourth bedroom, 2 1/2 baths, garage, satellite dish, cedar balcony and deck, high-efficiency gas, Daniel, 822-7672.

Four-bedroom home in downtown Guelph, full basement, opposite park and river, Ext. 3175 or 824-6955.

Cottage with guest house in Honey Harbour, 10 minutes by boat to marina, Ursula, 821-7233. Motorized treadmill, Ext. 6580.

WANTED

Older IBM compatible computer with color monitor, suitable for children's games and programs, Klaus, Ext. 3924.

Single man seeks one-bedroom apartment, reasonable rate, references available, 905-681-1978.

WANTED

Professor on sabbatical from Israel wishes to exchange home with someone in the Guelph-Kitchener-Waterloo-Hamilton area for six to 12 months in 1997. Home in Israel is located in Rehovot, southeast of Tel Aviv, close to the Weizmann Institute, Robert, Ext. 4667.

Students from Mexico need return rides from campus to work placements for six weeks beginning immediately, three locations: Meadowvale Road and Highway 401, Mississauga; Nugget Drive, Brampton; Victoria St. N. (Highway 7 and 86) Kitchener, Tracey, Ext. 4366.

AVAILABLE

Dressmaker, qualified and experienced, 519-658-9952.

Five-month-old female border collie, happy, healthy and energetic, would suit a person with active lifestyle, not suitable for families with small children, Shawn, Ext. 3336 or 787-2724.

Reliable and experienced person to do roofing, yard cleanups and renovations, reasonable, 824-6508.

Pet sitting in your home, vet student, reasonable rates, references, Anne, 766-0193.

Vacationers House Care

"The company with seasoned police experience and the lowest rates. Pets too."



Ronald S. McCormick
President



Donald L. Pearson
Associate Partner



George A. Paterson
Senior Partner

(519) 821-2676

IN REAL ESTATE — EXPERIENCE COUNTS

LET BILL'S EXPERIENCE WORK FOR YOU!

- Outstanding Customer Service Award, 1993, 1994, 1995
- #1 in sales Guelph & District Real Estate Board, 1992, 1993, 1994, 1995 (Individual unassisted sales)

824-9050

ROYAL CITY REALTY LIMITED

Bill Green
B.Sc.(Agr), 71 OAC,
Assoc. Broker

String institute offers concert series



Jaap Schröder

The first Summer Music Institute for Strings comes to campus June 23 to 28, offering string players an opportunity to study modern, baroque and classical playing techniques with distinguished teachers from Europe, Canada and the United States.

Co-ordinated by Prof. Mary Cyr, chair of the Department of Music, the institute is designed for professional musicians, teachers and university students, but it will also offer a series of concerts and a lecture open to the general public.

The concerts run June 23, 24, 27 and 28 at a cost of \$10 per ticket.



Violinist Julie Baumgartel, pianist Heather Toews and cellist Margaret Gay perform June 24.

The June 23 concert at 8 p.m. at War Memorial Hall features violinist Jacques Israelievitch. On June 24 at 8 p.m. at the Macdonald Stewart Art Centre, guest performers are violinist Julie Baumgartel, cellist Margaret Gay and pianist Heather Toews. Seventeenth- and 18th-century music featuring baroque violinist Jaap Schröder will be highlighted at a concert June 27 at 8 p.m. at the art centre. The series wraps up June 28 at 8:30 p.m. at War Memorial Hall with the Atlantis Ensemble,

consisting of Schröder, cellist Enid Sutherland and fortepianist Penelope Crawford.

A free public lecture will be presented June 26 at 8 p.m. in Room 107 of the MacKinnon building. Musicologist and Mozart specialist Neal Zaslaw will speak on "Composers' 'Intentions' and Performance Practice: Intellectual Honesty vs. Pragmatism." □

JOBS

As of At Guelph deadline June 7, the following opportunities were available to on-campus employees:

Human Rights Consultants, Human Rights and Equity Office, two positions. Salary: \$31,400 minimum, \$38,070 normal hiring limit, \$40,500 midpoint. Removal date: June 12.

Research Accounting Clerk, Office of Research, secondment opportunity from June 24 to Sept. 13. Removal date: June 12.

It is the University's policy to give prior consideration to on-campus applicants. To determine the availability of University employment opportunities, visit Client Services on Level 5 of the University Centre or call 836-4900. □

Canadian literature on stage

WRIT LARGE, a new show staging recent Canadian literature by authors such as Michael Ondaatje and Carol Shields, continues at the Inner Stage June 14, 15 and 16.

The one-person show by poet/actor Mia Anderson features excerpts from the short stories, poetry and novels of Canadian writers of the past 20 years. Authors whose works are represented include Douglas Coupland, Leon Rooke, Tim Lilburn, Sean Virgo, Roo Borson, Michael Kenyon, Erin Mouré, Isabel Huggan, Don McKay, Sharon Brown and John Steffler.

The show runs at 8 p.m. Friday

and Saturday and 2 p.m. Sunday. Tickets are \$15 and are available from the Guelph Spring Festival box office, 821-7570.

Anderson has had a long acting career on stage, radio and television in Canada and Britain. Her earlier one-person production, *10 Women, Two Men and a Moose*, which played to critical acclaim 20 years ago, was also based on Canadian writings.

WRIT LARGE marks a rare return to the stage for Anderson, who has opted for the writing life in recent years on her farm near Mount Forest, where she lives with her husband, Prof. Tom Settle, Philosophy. □



Mia Anderson

J. Marlin Van Dam

52 Waverley Drive
Guelph, ON N1E 6C8
Phone: (519) 836-0462
Toll Free: 1-800-463-5386



RETIREMENT AND FINANCIAL PLANNING
RETIREMENT OPTIONS ♦ RRSPs
INVESTMENTS ♦ MUTUAL FUNDS
TERM DEPOSITS

THIS SUMMER... TRAVEL CANADA!!

Frederick Travel's professional staff stands ready to assist you with your Canada travel plans this summer. From 2-for-1 cruise programs through to charters starting from as low as \$150.00 return, your best travel investment this year is to "travel at home"!

For competitive quotes and counselling on your travel itinerary, contact the "People You Can Trust"... Frederick Travel!



Kortright Road at Gordon Street

836-0061



Stressed? Tense?
Injured? Fatigued?

Patricia ABOUD
B.A. R.M.T.

Registered Massage Therapist

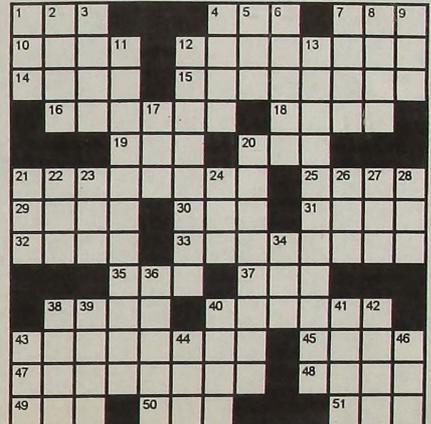
- ♦ tension/chronic stress ♦ neck & low back pain
- ♦ headaches & migraines ♦ athletic injuries, etc.

Flexible Hours

Covered by U of G Extended Health Benefits
By Appointment ♦ Gift Certificates Available

87 Galt St., Guelph ♦ 836-5994

Canadian Criss Cross by Walter D. Feener

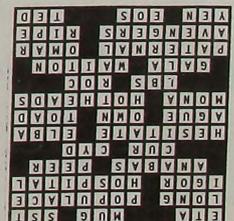


ACROSS

1. Seventh letter
4. Drinking vessel
7. Fast jet
10. From end to end
12. The common people
14. Composer Stravinsky
15. Medical center
16. Climbing fish
18. Appear partially
19. Vicious dog
20. Actress Charisse
21. Hem and haw
25. Napoleon's place of exile
29. Chills and fever
30. Be master of
31. Batrachian
32. "Who's the Boss" character
33. Excitable ones
35. Pounds: abbr.
37. Sinbad's bird
38. Festive occasion
40. Act as an attendant to
43. Faterly
45. The tentmaker
47. Nemeses
48. Fully grown
49. Hankering
50. Dawn goddess

DOWN

51. Singer Nugent
27. Harmful
28. Public notices
34. ___ polloi
36. Flagship's official launch
38. Donated
39. Solar disk
40. "Star ___"
41. Forget about
42. Back of the neck
43. Coat with pitch
44. Recent comb. form
46. Primary color
1. Yale student
2. Roman cloak
3. Soon
4. Cow sounds
5. Boom times
6. Aquarium fish
7. Satiated
8. Wound mark
9. ___ Aviv
11. George Burns' wife
12. Egyptian monarchs
13. Polygraph
17. On the other hand
20. Telephone operators
21. Noah's son
22. Conceit
23. Daystar
24. Couple
26. Mauna ___



CANVISION OPTICAL

666 Woolwich Street,
Guelph

Largest selection of Quality & Designer frames in the area: Polo, Gucci, Christian Dior, Safilo, Giorgio Armani & More!



766-7676

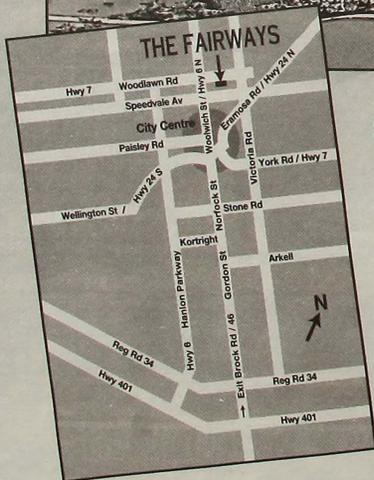
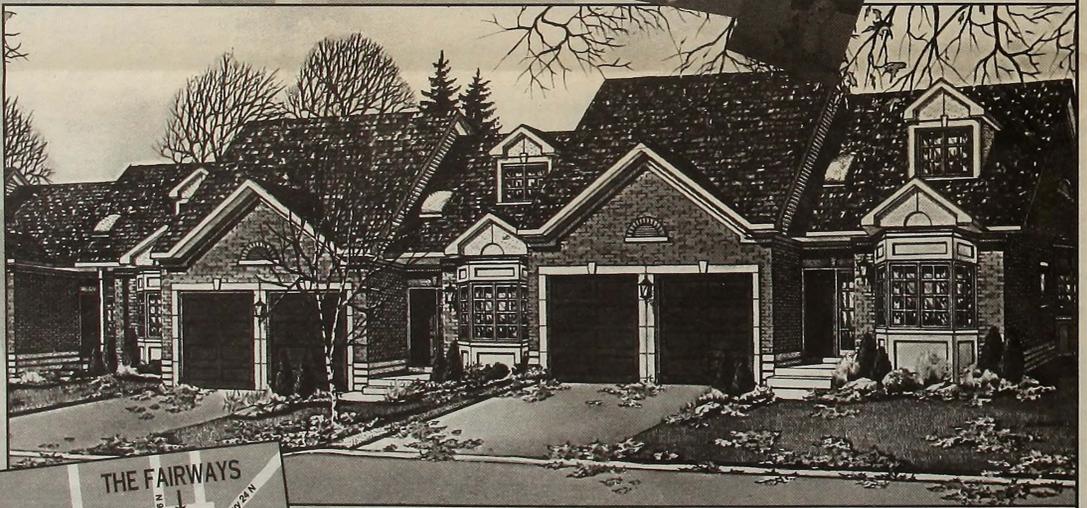
URBAN LIVING REDEFINED EFFICIENT

THE FAIRWAYS

Fore site:

the ability to foresee and prepare for future needs... like looking out your front window onto your very own private golf course.

70 ft. trees, rich lush lawns nature tamed to suit your needs.



Office Hours

Saturday, Sunday
& Holidays
1 p.m. - 5 p.m.

Monday to Thursday
by appointment call
519-763-4653

Friday Closed

From **\$183,000**

Call **519-763-4653**



The Fairway... the epitome of fore site

Sales by Royal City Realty Limited