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GUELPH

VOL. 43, NO. 10

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Human Rights & Equity Director Named

PATRICK CASE, former equity adviser for the Toronto District School Board, has been appointed director of the Human Rights and Equity Office, effective July 1.

Brian Sullivan, associate vice-president (student affairs) and chair of the search committee, says the committee was "delighted" to recommend Case to president Mordechai Rozanski.

"It was a very rigorous and comprehensive search," says Sullivan. "The position was advertised across Canada, and the committee ensured that the ads were placed in publications that are widely read by equity-seeking groups and people in this field."

Other members of the search committee were Prof. Rickey Yada, chair of the Department of Food Science; Prof. Bruce Koenig, Literatures and Performance Studies in English; Marg Carter, Environmental Biology; Melanie Howarth, Human Resources; undergraduate student Lisa Amin; graduate student Lesley Reed; and Prof. Isobel Heathcote, acting dean of graduate studies.

The final four short-listed candidates visited the campus during the first week of April and made public presentations to faculty, staff and students. The committee received

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A MODEL STUDENT

Fine art student Shauna Cake is designing a Web page that will allow computer users to take a virtual stroll through the Donald Forster Sculpture Park adjoining the Macdonald Stewart Art Centre. See story on page 7.

PHOTO BY DEAN PALMER/SCENARIO IMAGING

English Prof Wins OCUFA Award

Teaching excellence earns third award in a year

COMIC BOOKS in a university class on Shakespeare? Prof. Daniel Fischlin, School of Literatures and Performance Studies in English, chuckles as he recalls the former student who introduced him to the *Sandman* series of so-called "graphic novels," which he and schoolmates in his native Montreal would have labelled comic books.

Skeptical at first, Fischlin discovered a sophisticated wit and intelligence in the brightly coloured pages and a lively narrative that evoked themes from the Western literary canon, including his beloved Shakespeare. Today, he refers to the series regularly in the classroom. He even devoted an entire section of his soon-to-be-released book on *Shakespearean adaptation to discussion of the Sandman*.

"If you want to connect with students, you have to listen to what they're into and open yourself to their culture," says Fischlin, who last week received one of eight 1998 teaching awards given by the Ontario Confederation of University Faculty Associations (OCUFA).



Prof. Daniel Fischlin

PHOTO BY DEAN PALMER

"Academic training in a particular discipline is all fine and good," he says, "but when you're trying to get through to students, you have to be willing to modify that training."

The OCUFA awards were established in 1973 and have been presented annually to honour professors and, since 1990, academic librarians. This year's awards reception took place in Toronto May 14.

"I didn't think I stood a chance — I'm still relatively junior and this is a lifetime award," says Fischlin, who is currently on research leave writing several books. "This is once in a career."

So, presumably, is collecting three teaching awards within a year. Fischlin's OCUFA award caps teaching awards he won last year from both the College of Arts and the U of G Faculty Association. He is also the fourth College of Arts faculty member to win an OCUFA award in as many years.

Fischlin joined Guelph in 1995, after completing his PhD at York University and serving as a seasonal lecturer at several universities. Besides the Shakespeare course, he has taught the "Colonial Encounters" course on writings by and about explorers and is now planning a graduate-level offering on "Historiography and Literary Theory," which will examine how history is written and interpreted.

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Guelph Tops System Average on Performance Indicators

Graduation, employment, default rates posted on Web

THE UNIVERSITY of Guelph exceeded the system average in graduation rates and employment rates, according to OSAP indicators released by universities across the province May 14. Guelph also did better than the system average on default rates, with fewer Guelph students defaulting on student loans.

The performance indicators were posted on the U of G Web site last Friday in response to the Ministry of Education and Training's (MET) new 1998/1999 OSAP policy. The policy requires universities to report on indicators for students on employment rates, graduation rates and student loan default rates. MET used existing data sources to calculate graduation and default rates. Employment rate data were collected through a graduate survey conducted by the Ontario Universities' Application Centre (OUAC).

"Although a university education is not just about getting jobs, given MET's directive under the OSAP policy to publish these indicators, we are delighted that universities have done so well," said Prof. Ken Grant, director of institutional analysis and planning, who helped co-ordinate the project. "We've known from other statistical reports that university graduates have the highest rates of employment across any category of educational attainment. These results show that the success rate is distributed across the full range of disciplines taught at our universities."

Graduates of Guelph did particularly well, said Grant. "The quality of our students, faculty and programs are evidenced by our strong graduation and employment rates. In fact, two years after graduation, we had 100-per-cent employment in seven

of the 14 program areas and were above the system average in the other seven categories."

The overall employment rates — or Ontario university system average — for 1996 graduates of undergraduate degree programs is 90.79 per cent six months after graduation and 96.74 per cent two years after graduation. Guelph's averages of 91.4 per cent and 97.4 per cent, respectively, are somewhat above the system average.

To determine employment rates of recent graduates, OUAC conducted a survey of all 1996 graduates of undergraduate degree programs. Graduates were asked 12 questions regarding their employment situation six months and two years after graduation. Between Dec. 29, 1998, and Jan. 12, 1999, a total of 52,175 surveys were mailed out to these

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SENATE REPORT

Provincial budget good first signal of government response to universities

THE RECENT PROVINCIAL BUDGET was a good first, if limited, signal that the current government is responding to concerns about the future of post-secondary education, president Mordechai Rozanski told Senate May 11. The budget promises significant new spending for capital investments and

deferred-maintenance projects related to the "double cohort" of students expected in 2003, as well as additional research support and student assistance. The disappointment is that operating budgets for the next year have only increased by one per cent, far short of the revenue needed, he said.

The government has pledged \$742 million in capital support for colleges and universities for 1999/2000. Of that, \$660 million is targeted for major capital projects, \$62.5 million for facilities renewal (\$41.7 million for universities) and \$19.4 million for earlier projects.

The boost in facilities renewal funding, if al-

located as in the past, could see Guelph's annual \$1.035-million allocation increase to about \$2.7 million, said Rozanski. This would allow U of G to proceed with much-needed renovations. But the increase still falls well short of the \$6 million in priority projects identified each year on campus, he said.

The \$742 million falls short of the \$2 billion Ontario universities have been requesting to deal with quality issues surrounding current capital and deferred-maintenance needs and the expected 40-per-cent increase in university enrolments over the next 10 years, said Rozanski. It's projected that an additional 53,900 to 88,900 students will seek places at university over the next decade because of changing demographics, higher participation rates, more employers asking for university degrees and the elimination of Grade 13 in Ontario. The hope is that this capital infusion is but the first instalment of additional resources to come in each of the next few years, he said.

The budget's pledge for new research support involves a \$250-million Ontario Innovation Trust, which is intended to match federal Canada Foundation for Innovation (CFI) allocations. This funding may lessen to some degree the need for universities to seek private-sector support for CFI projects, Rozanski said. This does not, however, respond to Ontario universities' request to boost the research infrastructure envelope beyond its \$27-million level, he said.

The government promise on new student aid takes the form of a program called "Aiming for the Top," which, at maturity, will allocate \$35 million to 10,000 students in tuition scholarships of up to \$3,500 a year for up to four years. The program is

to start in September 2000 with 2,500 scholarships that will be based both on merit and financial need. The president said this development could provide good opportunities for matched funding during U of G's upcoming capital campaign.

The province has also announced that it has reached an agreement with Ottawa on harmonization of federal and provincial student aid programs and on the Canadian Millennium Scholarship Board. The Ontario government claims these agreements will reduce student debt, said Rozanski, but universities are waiting to see more details.

The government also announced expansion of the Access to Opportunities Program, providing funding to fully support proposals presented to the Ministry of Education and Training in November 1998 by colleges and universities. Guelph expects to receive confirmation soon of its multi-year allocation to support graduate and undergraduate growth in computing science and engineering programs, said Rozanski.

The most disappointing news in the budget, he said, was confirmation that universities will receive only a one-per-cent increase in basic operating grants for 1999/2000. This small increase is of particular concern at a time when universities must begin hiring new faculty and staff in response to both the double cohort and the retirement bulge that is expected to occur about the same

time, he said.

Rozanski said that although the budget provides significant new investment in a number of important areas, he and his colleagues at the Council of Ontario Universities, other members of the university community and friends of Ontario universities will continue to press for increases in operating support, research support and funding to restore quality losses suffered over the last five years.

SELECTION COMMITTEE MEMBERS APPROVED

Senate approved the membership slate for selection committees for provost and vice-president (academic) and for vice-president (research). They will select candidates to succeed current provost Iain Campbell, who will not pursue a second term when his first term expires July 1, 2000, and vice-president (research) Larry Milligan, whose second term ends in August 2000.

Members of the selection committee for provost and vice-president (academic) are College of Arts dean Carole Stewart; Prof. Norman Gibbins, Microbiology; Prof. Stephen Kruth, chair of the Department of Clinical Studies; Prof. Tom Michaels, associate dean of OAC; undergraduate student Nadia Zelisko; graduate student Laurie Halfpenny; and staff member Nancy Robinson, Office of the Provost.

Members of the selection com-

mittee for vice-president (research) are OAC dean Rob McLaughlin; Prof. Fred Evers, Sociology and Anthropology; Prof. Patricia Shewen, chair of the Department of Pathobiology; Prof. Alan Wildeman, Molecular Biology and Genetics; graduate student James Rodgers; and staff member Tracy Alberico, Human Resources.

Senate also approved the membership of Senate boards and committees for 1999/2000; the appointment of Prof. Chris McKenna, chair of the Department of Economics, as Senate's representative on Board of Governors; and the reappointment of Prof. Maureen Mancuso, chair of the Department of Political Science, as U of G's Council of Ontario Universities (COU) colleague. The COU alternate is Prof. Donna Woolcott, chair of the Department of Family Relations and Applied Nutrition.

REPORTING STRUCTURE FOR VP (RESEARCH) TO CHANGE

Senate approved a change, recommended by the president, provost and vice-president (research), in the reporting structure of the Office of Research. Currently the vice-president (research) reports to the provost and vice-president (academic), but effective with the appointment of the next vice-president (research) in 2000, the operations of the Office of Research will report directly to the president. This will re-

turn the reporting lines to those in place when the position of vice-president (research) was created.

Prof. David Prescott, Economics, vice-chair of the Senate Committee on University Planning, said the change reflects the research-intensiveness of U of G internally and the high profile of research-intensiveness externally. Comparisons are increasingly being made about Canadian universities in terms of those that are research-intensive and those that are not, he said, so it's important that U of G's reporting structure reinforce and profile Guelph's commitment to research.

UPDATE ON COLLEAGUE

Prof. Alastair Summerlee, associate vice-president (academic), reported to Senate that Colleague, U of G's new student information system, is functioning. The major issue now, he said, is the speed of the system, which has raised concerns among students involved in dropping and adding courses. He thanked students for their patience and understanding and asked all users of the system to be patient while the problems are being ironed out. He also noted that training on the system is under way and will continue across campus on the basis of need.

Summerlee commended staff and faculty for the considerable efforts they have put into Colleague and thanked all those who have been involved in its implementation.

Director Brings Expertise in Human Rights, Employment Equity

Continued from page 1

significant feedback from the community based on these presentations, says Sullivan. "We were very pleased with the quality and strength of the applicant pool, and the final four candidates were all outstanding," he says.

A 1986 LLB graduate of Osgoode Hall Law School who is now completing a master's degree in constitutional law, Case practised family, human rights and immigration law before joining the Toronto District School Board in 1991. He played a leading role in developing and imple-

menting a human rights policy for the Toronto board, was a senior adviser to the director, senior administration and school principals on human rights and employment equity, and worked closely with students to develop peer education programs. He also participated in the board's periodic review of personnel policies, procedures and practices for employment equity purposes between 1991 and 1997 and was a key participant in the board's employment equity and systems reviews in 1995/96.

Case is one of seven people selected from across Canada to serve as a member of the Equality Rights Panel of the Court Challenges Program of Canada. This organization annually grants \$2.75 million to equality rights litigation efforts throughout Canada. Case began a two-year term in 1998. He also contributed to the 1994 *Report of the Royal Commission on Racism in the Criminal Justice System* and recently co-taught a course on "African Canadians: Racism and the Law" at Osgoode.

"I am thrilled to be joining Guelph," says Case. "The University has a strong reputation for its commitment to equity issues and I am eager to join the community and make a contribution to the final stages of developing Guelph's new umbrella human rights policy."

Rozanski says he is "delighted" that Case is joining U of G. "His strong people skills, his demonstrated skill and expertise in human rights and employment equity in the public education system, and his formal legal training will be invaluable

to the University. I am confident that the University community will welcome him warmly and offer its support."

The president also expressed his great appreciation to acting human rights and equity director Jodie McConnell for her valuable interim leadership over the past year. "She made significant contributions to advancing our human rights and equity objectives, and I am grateful to her and her colleagues in the Human Rights and Equity Office."

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@Guelph is published every two weeks
by Communications and Public
Affairs, Level 4, University Centre,
University of Guelph, Guelph, Ontario
N1G 2W1. Inquiries: 519-824-4120;
Editorial: Ext. 6580;
Distribution: Ext. 8707;
Advertising: Ext. 6665;
Classified: Ext. 6581;
Fax: 519-824-7962; Web site:
<http://www.uoguelph.ca/atguelph>.

Articles may be reprinted
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Subscriptions
\$44 (includes GST);
\$51 outside Canada
ISSN 08364478 @ 1998
Printed on recycled paper



PRESIDENT'S COUNCIL VISITS CAMPUS

President Mordechai Rozanski hosted 200 members of U of G's President's Council at a luncheon May 15. The President's Council recognizes those who have given \$1,000 or more to the University in the previous year. The annual luncheon is an opportunity for the University to say "thank you" and share news of the many ways the support of President's Council members has contributed to the quality of U of G.

U OF G HOSTS UNIVERSITY ALUMNI IN CHICAGO

U of G hosted the 13th annual All-Canadian Universities Alumni Dinner May 5 in Chicago. This was the second time Guelph has hosted the event, which began in 1987 to bring together graduates of all Canadian universities who live in the Chicago area. President Mordechai Rozanski and John Mabley, vice-president (development and public affairs), represented U of G, and Prof. Maureen Mancuso, chair of the Department of Political Science, was the guest speaker. Mancuso, who is lead author of the recent book *A Question of Ethics: Canadians Speak Out*, discussed Canadians' opinions about the behaviour of their politicians.

TIMES AD WINS GOLD

A U of G recruitment advertisement that appeared in the Nov. 1 *Sunday New York Times* education supplement has won a gold medal as best newspaper advertising/single ad from the Atlanta-based *Admissions Marketing Report*, the U.S. national newspaper of admissions marketing. Produced by Admission Services, the ad was based on the popular U of G brochure "So You Think You Know Canada, Eh?" showing a picture of a man in a snow-covered park. The ad described the quality of education in Canada and at Guelph and included quotes from several U.S. publications lauding U of G and other Canadian universities.

WHITESIDE TO SERVE AS ACTING ASSOCIATE VP

Brenda Whiteside, academic assistant to the provost, has agreed to act as associate vice-president (student affairs), effective June 21. She will serve in this position until a permanent appointment is made.

ART CENTRE HONOURED

The Ontario Association of Art Galleries has awarded its 1998 Design Award to the Macdonald Stewart Art Centre for the invitation for the exhibition "Micah Lexier: Self-Portrait as a Proportion," which ran from March to May 1998. The invitation was created by artist Micah Lexier. Art centre director Judith Nasby accepted the award last month at a ceremony at the Royal Ontario Museum.

Development Team Launched

Decentralized structure will strengthen campus links



College deans and members of D&PA's development team gather for a photo. Seated, from left, are Bruce Hill, Ross Butler, Paulette Samson, Gerald Manning, Michael Nightingale, Laura Manning, Rob McLaughlin and Joe Mokanski (representing Robert McCrindle). Standing are Robert Sheath, Rudy Putns, Tim Mau, John Mabley, William Rowe and Alan Meek.

PHOTO BY DEAN PALMER/SCENARIO IMAGING

THE LANDSCAPE of fund-raising in Canada is changing, and U of G's development staff are keeping pace, with the formation of a new team of professionals working in college-based offices across campus. Five new senior development managers will work as fund-raising strategists and will form direct links between college deans and Development and Public Affairs (D&PA), says vice-president John Mabley.

"Our development team will work directly with deans, faculty, alumni, staff and students to identify the strengths and needs within each college," he says. "By relating college goals to the system support available at Alumni House — alumni records, prospect research, treasury and donor recognition — the new senior development managers will be better able to systematically identify fund-raising opportunities and translate them into institutional support."

- Bruce Hill, a D&PA staff member since 1997, has assumed the development function for the College of Arts, working with acting dean Gerald Manning.

- The colleges of Biological Science and Physical and Engineering Science are represented by William Rowe, a newcomer to U of G who left a development position at the University of Waterloo to take on this new role at Guelph, where he is D&PA's contact with deans Robert Sheath and Robert McCrindle.

- The College of Social and Applied Human Sciences welcomes one of its own graduates to work with dean Michael Nightingale. Tim Mau, who earned his BA from Guelph in 1992 and MA in 1993, is remembered as a President's Scholar, all-star Gryphon basketball player and Winegard Medalist, and was general manager of the 1998 Ontario Summer Games in Guelph.

- OAC dean Rob McLaughlin will work directly with senior development manager Paulette Samson, a longtime D&PA employee who has moved from Alumni House to Johnson Hall.

- OVC dean Alan Meek welcomes Laura Manning, a 1997 B.Comm.

graduate of Guelph, who moves across campus from a position as research analyst in Institutional Analysis and Planning. OVC's Pet Trust will continue to be the responsibility of Maire Pratschke, a member of the OVC dean's office.

Senior development managers report to the deans and to D&PA executive director of campaign programs Rudy Putns, who says the distributed structure is common among larger North American universities and is an indication of Guelph's growth and development as a major research and teaching institution.

"A centralized development organization can no longer address D&PA's need to fully understand the depth of faculty expertise and the academic priorities within each college," he says.

The senior development managers will give college deans and faculty a direct voice in the planning and implementation of fund-raising initiatives. Working with the deans, development managers will also be responsible for the cultivation of donor prospects — for U of G's next major campaign as well as fund-raising initiatives such as matching-raising opportunities proposed by government and projects that address unique college needs.

The trend towards matched funding has changed the landscape of how fund-raising is done, says Putns. There is great leverage in the idea that a donor's gift will be doubled in value, as evidenced by the success of U of G's ACCESS Fund, which was launched in response to the provincial government's Ontario Student Opportunity Trust Fund (OSOTF) in 1996. When the final closing date for OSOTF matching gifts arrived March 31, 1999, U of G's endowed resources for student assistance had increased by \$16.8 million from gifts by 5,800 donors. As a result, annual allocations for scholarships and bursaries have grown to almost \$10 million.

Matched funding is also a major part of more recent provincial and federal programs, including the Ontario Graduate Scholarship, the Access to Opportunities Program, the

Canada Foundation for Innovation and the Ontario Research and Development Challenge Fund.

Putns says he and D&PA's team of senior development managers are working closely with Prof. Ross Hallett, assistant vice-president (research infrastructure programs), and deans to ensure that U of G seizes every opportunity to lever public matching funds with private gifts.

"Two of the most important benefits of the development/academic link will be information sharing across campus and stewardship of donors," says Putns.

Stewardship is important in all development activities, but particularly in the area of bequests and planned giving. This portfolio is now under the direction of Ross Butler, a 1981 BA graduate of Guelph who recently joined U of G from the Financial Concept Group, where he was a financial planning consultant.

Information sharing is equally important in helping to identify donor prospects among recent graduates, says Putns. "One-third of Guelph's current alumni constituency graduated since 1990, and the people who know them best are faculty. It is essential that we involve faculty and deans in the development process and that we begin to engage students in alumni programs before they graduate."

With Ontario standing last among the provinces in government support for post-secondary education, and the growing trend in matched funding, university fund-raising efforts in the private sector must become more effective, he says. "That means emphasizing our greatest needs, identifying key prospects and targeting our message more carefully."

While the colleges begin to work with D&PA's new senior development managers, early preparations for the University's next major campaign continue. The next few months will be spent implementing and analysing the outcomes of a feasibility survey that will help shape campaign goals and proposals, which will be used for major gift calls during the coming year.

BY MARY DICKESON

PEOPLE

POETRY WINS AWARD

Prof. Janice Kulyk Keefer, Literature and Performance Studies in English, has received the Canadian Authors Association's Award for Poetry for her recent book, *Marrying the Sea*. The book has also been nominated for the Pat Lowther Memorial Award for best book of poetry by a Canadian woman.

MUYLAERT NAMED OUA MALE 3M COACH OF THE YEAR

Men's hockey coach Marlin Muylaert has been named OUA Male 3M Coach of the Year in recognition of his years of coaching accomplishments and contributions to the game of hockey. Over the past 11 years as a coach at U of G, Muylaert has led the hockey Gryphons to two Ontario championships, a national championship and eight successive divisional titles. Earlier this year, he was head coach of Canada's entry at the World Student Games.

PIG PENS CAPTURES PRIZE

Owen Roberts of the Office of Research has been awarded the bronze award for best newsletter from Agricultural Communicators in Education for the publication *Pig Pens*. The award will be presented next month at the organization's annual meeting in Tennessee, where Roberts will also present a poster session.

NIGHTINGALE FOCUS OF TALKS

Prof. Lynn McDonald, Sociology and Anthropology, gave a paper on "Florence Nightingale's Vision of a Public Health-Care System" at a conference at the University of Texas, Austin, in April. She also gave a talk this month on the *Collected Works of Florence Nightingale* to the Quo Vadis School of Nursing Alumnnae Association at Jubilee Hospital in Etobicoke.

INTERNATIONAL OFFICERS GATHER ON CAMPUS

Prof. Jim Shute, director of the Centre for International Programs, chaired an all-day meeting of international liaison officers from 12 Ontario universities on campus last month. Shute and other international program managers also met with Thomas Rosswall, the rector of the Swedish University of Agricultural Sciences, and Ola Roman of Sweden's National Agency for Higher Education, who toured U of G as part of a Canada-wide visit.

THAI STUDENTS HONOURED

Five students from Thailand participating in the Golden Jubilee Scholarship Program were honoured at a reception last month sponsored by the Centre for International Programs. The students spent the past academic year studying at Guelph and will continue their studies this fall at the University of Khan Kaen in Thailand. The students are Nitikul Chantawira, Lampong Klomkul, Sommart Klunmoo, Salithip Rattananwan and Anchalee Waenwisate.

Making Room for the Millennium

Student Housing Services discusses ways to meet increased demand for residence space

IFAL McINNIS listens carefully, he can hear the echo coming. That's the sound of new students in the "baby boom echo" generation and "double cohort" who are expected to arrive at Guelph during the first half of the next decade looking for a room in campus residences.

To meet that increased demand on Guelph's residences during the next five years, the director of Student Housing Services is heading a consultation process to update the department's five-year-old plan for campus housing services.

Over the past year, Student Housing Services has run meetings and workshops designed to solicit comment from various groups, including residence managers and assistants and support staff, and to make recommendations for the next five years. During the most recent session in early April, McInnis met with senior administrators, academic counsellors, Physical Resources staff and student groups to discuss proposed changes to housing services and amenities and to determine how to house more students.

U of G expects to add 400 to 500 single rooms by 2001 — and per-

haps another 500 to 600 in 2003 — to accommodate increased enrolment among university-age children of the ubiquitous baby boomers.

"A plan along these lines has been developed with Physical Resources for discussion with senior administration and the Board of Governors Physical Resources and Property Committee," says Brian Sullivan, associate vice-president (student affairs).

But McInnis says even those increases will be insufficient to accommodate all of Guelph's share of the anticipated double cohort.

The elimination of the OAC year in high school is expected to cause university enrolment to spike across the province. Based on Guelph's share of the projected increase, and assuming that 40 per cent of new students will look for a place to live on campus, U of G will probably see additional demand for residence space increase to a cumulative peak of 1,336 beds in 2004 before settling to just under 1,000 in 2007.

"We can't build extra capacity to deal with the peak projected additional demand without incurring vacancies later," says McInnis.

U of G will establish a building

committee to consider housing options, and Student Housing Services will consider ways of expanding the existing supply of off-campus housing, including more external advertising.

Among the issues and ideas raised by participants at the April workshop:

- **Changing student population.** U of G will have to consider the needs of younger students, perhaps through a guarantee of residence until age 19. Residence might become a place for new forms of learning such as Web-based courses. U of G might explore alumni mentoring programs for first-year students and how to balance higher numbers of new students with returning students to serve as role models.
- **Technology.** Residence rooms will

need to accommodate changing computer technology, such as equipment for students taking Web-based courses.

• **Accommodation priorities.** U of G may have to establish priorities for accommodating various groups of students, such as students with special needs and international students.

• **Safety and security.** Participants discussed a community policing model, a security program for off-campus issues, updating of security policies for younger students and improved building security systems.

McInnis anticipates that his department will also need to plan for a more diverse student population.

More and improved staff training will be needed to handle more — and possibly more demanding —

residence students, says residence education consultant Julie West.

"Students will need higher marks because there will be greater competition for university spaces," she says. "To maintain those marks, they need to spend more time studying and have an environment conducive to studying. We normally provide that, but depending on the numbers of students, there's a potential for higher pressure to ensure that we provide that environment."

Students will be invited next fall to take part in focus groups on housing services.

Anyone wishing to comment on aspects of student housing policy or supply at Guelph can send e-mail to amc@uoguelph.ca or write to McInnis in Mountain Hall.

BY ANDREW VOWLES

Criminal Justice, Public Policy Program Draws Wide Interest

Unique new undergraduate major builds on strengths of two departments

CONVERSATIONS around Canadians' iced moccasins are rarely so heated as when they involve the perceived failings of our lawmakers and the criminal justice system. Crime may not pay, but it's astoundingly popular.

Two U of G departments, responding to student interest in pursuing scholarly inquiry on the same subject, are collaborating to offer a program unique in Canada, a new undergraduate major in criminal justice and public policy.

The departments of Sociology and Anthropology and Political Science came up with the idea for the joint program, and since then have been busy planning, formulating and marketing it. The response has been phenomenal, with some 400 applications received to date, says Prof. Ron Hinch, chair of the Department of Sociology and Anthropology.

"I've never seen anything like it," he says. "The 400 applicants are just our numbers from potential first-

year students. It doesn't count current undergrads who may want to redesign their program to enrol. And there's been no drop-off in applicants to either our department or the Department of Political Science. In fact, we've recorded increases there as well."

Both Hinch and Prof. Maureen Mancuso, chair of the Department of Political Science, say they're being contacted daily by students interested in applying to the program.

Building on strengths in the two departments, the criminal justice and public policy program is unique because it unites these two areas to provide a comprehensive curriculum for a variety of students — those who seek a career in public policy-making or criminal justice, those who plan to pursue an advanced degree or those who simply wish to explore issues in the field.

"The program examines the justice system within a framework of political and spending priorities," says Mancuso. "We'll examine the

context of criminal justice as it relates to and where it fits in with health care, social programs and other public demands."

Adds Hinch: "The criminal justice system without the political would be very narrow, so by joining forces, we can offer the conceptual and methodological tools for further study."

The program received Senate approval last year and officially began May 1. It will offer students three options. Students in the honours program can complete either a major or a minor in criminal justice and public policy; students in the general program can complete an area of concentration.

In addition to courses already offered in the two departments, the program features required and optional courses in philosophy, psychology and history. New courses are being developed on crime and criminal justice, criminological theory, serial murder, young offenders, corrections and penology, and police in society.

BY ALEXANDER WOOLEY

IN MEMORIAM

Yvonne Harrison Alexander, wife of U of G chancellor Lincoln Alexander, died May 15. Heartfelt condolences have been sent on behalf of the University by president Mordechai Rozanski.

"Our chancellor is perhaps the most admired and respected public figure in Ontario," says Rozanski. "He leads our university with grace and dignity. What many don't know is that in addition to the Lincoln Alexander we know and love, there is also a very private man, a man who places family life above all else. Yvonne has been his partner for more than 50 years. At a time like this, we pause in our daily activities to mourn the loss of Yvonne and to express our sympathies and offer our support to Lincoln and his family."

The Alexanders were married Sept. 10, 1948, in Hamilton. The couple met during a dance in Toronto in the 1940s, and Lincoln Alexander chose work in Hamilton over Ottawa because it was her home town. They have one son, Keith; a daughter-in-law, Joyce; and two granddaughters, Erika and Marissa.

Though intensely private, Yvonne Alexander acted as partner and counsel to her husband throughout his distinguished career of public service. In keeping with her wishes, a private funeral was held.

U of G is planning a memorial expression and will announce details after consultation with the family. Donations to the Halton-Wentworth Alzheimer Foundation may be made in her name.



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Microscope to Open Window on Molecular World

NSERC-funded electron microscope will draw users from universities and industry across Canada and abroad

U OF G RESEARCHERS have landed more than \$500,000 in federal funding for a state-of-the-art electron microscope that will open a window on the molecular workings of everything from ice cream to bacterial proteins to polymers to plant roots.

The eight faculty from three colleges expect the new instrument to give them a clearer view of a range of structures than that afforded by other electron microscopes at Guelph and elsewhere. Most important, the new cryo-transmission electron microscope (TEM) will allow scientists to study "frozen-hydrated" biological materials preserved in their natural state, a huge advance over earlier generations of electron microscopes.

Led by Prof. George Harauz, Molecular Biology and Genetics, the group learned early this spring that the Natural Sciences and Engineering Research Council (NSERC) had approved a major installation grant worth \$535,000 to buy the device. Funding of attendant renovation and installation costs will also come from the College of Biological Science and pertinent departments and from the office of the vice-president (research).

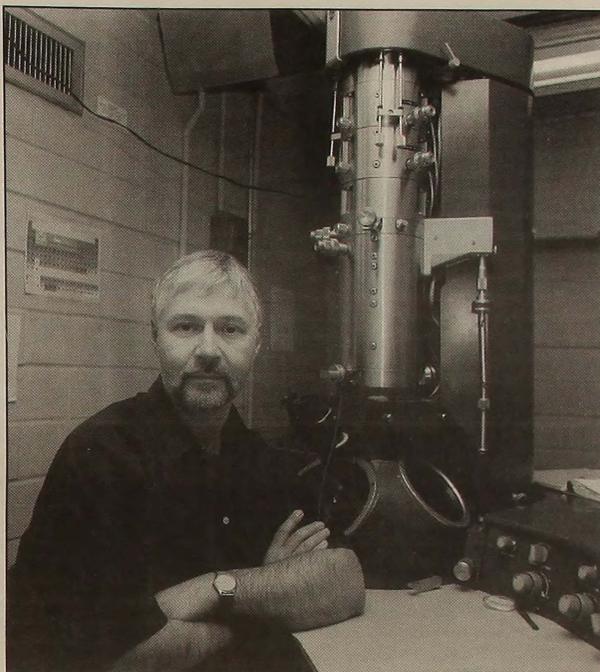
The researchers plan to purchase the microscope later this year and hope to see it operating by the beginning of 2000. Installed in the Guelph Regional S/TEM Facility (GRSF) — located in the basement of the Chemistry and Microbiology Building — the device will serve U of G faculty and is expected to attract users from other universities and industry in Canada and abroad.

"This machine brings us up to the top in Canada among microscopy facilities," says Prof. Terry Beveridge, Microbiology, one of the grant applicants and the GRSF coordinator. He explains that the only other device of its type in Canada, housed in a government-run laboratory for infectious diseases in Winnipeg, offers restricted access to external users.

In addition to Harauz and Beveridge, participants in the application were Prof. David Evans, chair of the Department of Molecular Biology and Genetics; Prof. Larry Peterson, chair of the Department of Botany; CBS dean Bob Sheath; Prof. Rickey Yada, chair of the Department of Food Science; Prof. Doug Goff, Food Science; and Prof. John Dutcher, Physics. Other Guelph users will include at least 30 students and post-doctoral fellows.

Cooled by liquid nitrogen, the device "snap-freezes" specimens, essentially preserving samples in an ultra-thin layer of ice. "The beauty of cryo-TEM is that you don't need to dry the specimen at all," says Harauz. "You can image cells with their natural water content, or molecules directly in solution."

He says it's impossible to view biological samples *au naturel* with other transmission electron microscopes and scanning electron



Prof. George Harauz leads a team of researchers who have received NSERC funding for a new state-of-the-art electron microscope. PHOTO BY DEAN PALMER/SCENARIO IMAGING

microscopes (SEM) in the GRSF and elsewhere on campus. Transmission electron microscopes send a stream of electrons through a sample; in their SEM cousins, the electron beam scans only the surface of the sample. In both types, samples are placed in a vacuum chamber and bombarded with electrons after being fixed with harsh chemicals.

Besides allowing a clear view of an unadulterated specimen, the new microscope uses a digital camera that will provide a clearer image in less time, further preventing degradation caused by heating from the electron beam. The new instrument will be smaller and easier to use, which will reduce the training required by operators, says Beveridge.

Among its uses by U of G researchers:

- Harauz will use the microscope to view membrane proteins and structural changes wrought by, for example, multiple sclerosis. "George is probably one of the best people in the whole country to use electron microscopes to study very small biological particles and make sense of them," says Beveridge.

- Beveridge is among the world's top microscopists studying molecules found on the surface of bacteria. Besides investigating vaccines

and alternative methods of delivering infection-fighting drugs, he has spent nearly two decades studying bacteria that live in metal-contaminated environments. His lab was among the first to study biogeochemistry, whose applications include using microbes to sponge up dilute metals and other toxic contaminants found, for example, in mining wastes. One of Beveridge's graduate students, Jeff McLean, is studying a micro-organism that might prove a useful scavenger of chromium-arsenic and copper wastes produced in making pressure-treated lumber.

- In the Department of Botany, Peterson runs one of three major labs worldwide studying the structure of mycorrhizas, which are mutualistic associations between fungi and the roots of most plants, including important agricultural and forest species. "The new equipment is going to enhance studies of the cell biology of these associations," he says, pointing to the advantage of observing specimens without having to fix them. He and his students will use the new instrument in conjunction with the existing confocal light microscope housed in the department to study alterations in the structures of root cells colonized by fungi.

- "The best way to see food structure is with an electron microscope," says Goff, who already uses more conventional instruments housed in Laboratory Services. "With the cryo-TEM, we're able to look at any kind of food structure fully intact. We just have to be able to section it." For example, the instrument will prove ideal in studies of why frozen blueberries used in muffins are prone to cracking during baking, he says. His lab in the newly refurbished Food Science Building is one of a handful worldwide studying the structure of ice cream. The new instrument will give him a flash-frozen look at fats in ice cream and at the formation of ice crystals, which directly affect the product's shelf life. "The cryo-TEM is a beautiful tool because you're already dealing with a frozen product," he says.

- Dutcher plans to use the instrument to study formation patterns in thin films made of composite materials. "It will broaden the range of materials that can be studied," he says. His lab works with such companies as 3M on coatings and adhesives.

Besides their need for a more sophisticated instrument, members of the group had found common ground during recent discussions of joint research initiatives, notably funding applications to the Canada Foundation for Innovation and the Ontario Research and Development Challenge Fund. "The microscope application has drawn together people from a broad range of disciplines," says Harauz.

The instrument will also prove a drawing card for researchers from Canada and abroad, he says. "This extends the range of capabilities we can offer them."

During the last three years, the GRSF has attracted about 75 senior researchers from North America, Europe and Asia, 45 graduate students and 30 post-doctoral fellows. U of G users account for one-third to one-half of the centre's regular clients.

The facility was established in 1980 with NSERC funding, initially to serve nearby universities and industry, says Beveridge. In recent years, "we've had more work from other provinces, states and countries than from other local universities and industries."

Microscopists near and far — including most of the U of G principals involved in the cryo-TEM application — will be on campus May 26 to 28 for the annual general meeting of the Microscopical Society of Canada. Called "Eye on Imaging," the meeting will bring together about 250 participants from Ontario, Quebec, Michigan, New York and Ohio. Speakers include Dutcher, who will discuss microscopy in studying thin polymer films, and Prof. Jacek Lipkowski, Chemistry and Biochemistry, who studies metal-solution interfaces.

BY ANDREW VOWLES

German Chemist is Winegard Visiting Professor

Visitor will give three lectures on aspects of electrochemistry

WINEGARD visiting professor Dieter Kolb, head of the department of chemistry at Germany's University of Ulm, will give three public lectures on aspects of electrochemistry this month at U of G.

Hosted by the Department of Chemistry and Biochemistry and the Electrochemical Technology Centre,

Kolb will discuss "What is Electrochemical Surface Science?" May 25 at 3 p.m. in Room 160 of the Chemistry and Microbiology Building, "An Atomistic View on Electroplating" May 26 at 3 p.m. in Room 113 of the MacNaughton Building and "Electrochemical Nanostructuring of Metal Surfaces" May 27 at 3 p.m. in C&M 160.

The author of more than 190

technical papers on electrochemical processes on metal surfaces, Kolb received the 1997 David C. Grahame Award of the Electrochemical Society, the 1994 Bourke Lecture and Medal of the Royal Society of Chemistry and the 1990 Pergamon Gold Medal of the International Society of Electrochemistry.

After completing his PhD in physics in 1969 at the Technical Uni-

versity of Munich, he spent two years at Bell Laboratories in New Jersey, then returned to Germany. He led research in electrochemical surface science at the Fritz-Haber Institut der Max-Planck-Gesellschaft in Berlin and studied matrix-isolated metal atoms and clusters. He also taught at the Free University of Berlin before joining the University of Ulm.

The Winegard visiting professorships are named for former U of G president Bill Winegard and supported by the President's Council Fund, which covers expenses and honoraria for five visiting lecturers each year. The award rotates annually among Guelph's colleges.

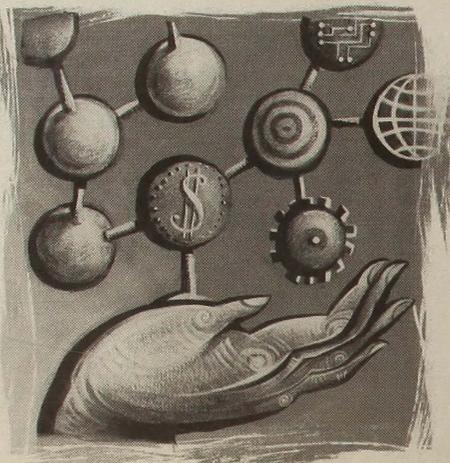
For more information, call Prof. Jacek Lipkowski, Chemistry and Biochemistry, at Ext. 8543.

A BALANCING ACT

"Universities have to find a balance between encouraging faculty to pursue patentable concepts and protecting the traditional role of the academy as a forum for the open exchange of ideas."

Editor's note: University professor emeritus Bruce Sells, Molecular Biology and Genetics, was recently appointed executive director of the Canadian Federation of Biological Societies. Comprising various life sciences groups in Canada, the Ottawa-based body promotes awareness of biological science by lobbying governments and convening an annual meeting. Sells came to Guelph in 1983 as dean of the College of Biological Science after 11 years at Memorial University in Newfoundland, first as professor and director of molecular biology, then as associate dean of basic medical sciences in the Faculty of Medicine. The following is an edited transcript of a recent interview in which Sells discusses his view of research funding in Canada.

ILLUSTRATION BY SARA TYSON



THINGS SEEM TO GO in cycles. When I completed my training in biochemistry at McGill University in 1957, there was very little support for research in Canada. American research institutions got more funding support, including St. Jude's Children's Research Hospital in Tennessee, where I spent 10 years. When Canada finally started putting more money into research and established the various granting councils, there was an attraction for me — and for many of my Canadian colleagues — to come back to Canada. Over the past 15 to 20 years, Canadian research money has decreased considerably, and many of our scientists have again been looking for greener pastures to obtain sufficient support for their work — not for larger salaries, but just for the opportunity to do what they really want to do. Over the past five or six years, with the United States providing increasing amounts of money for research and universities, our people have again tended to migrate southward.

At the same time, the competition in international science has heated up. Investigators in Canada, as everywhere else, are competing globally and need funding to be effective. In the late 1950s, when the level of research funding was very small, there was no political concern about how much was being spent. When the amount of money going into research during the '70s and early '80s increased considerably, it became more of a political thing. We have to justify to taxpayers why they're providing dollars for this activity.

Reflecting this change, some new research initiatives require universities to strike up partnerships with industry to obtain funding. The federal Networks of Centres of Excellence (NCE), for example, have been useful. They have co-ordinated research groups across the country, spun off biotechnology companies and given the taxpayer some bang for the buck. In other initiatives designed to develop partnerships and help stem the brain drain, the most recent federal budget has increased the budgets of the granting councils and developed the Canadian Institute for Health Research. These ideas are obvious attempts to display the tangible benefit flowing from those research dollars.

In talking about cycles, a major concern is: Are we worrying too much about the short-term application of our research? Ba-

sic research is not apparently "practical" in terms of a long-term vision of its application. It's curiosity-driven. In biology and life sciences, basic research asks fundamental questions about cellular processes or biological systems as scientists strive to learn more about the fundamental mechanisms of things. If we don't support these kinds of investigations, we won't have ideas in the bank to draw on for future applications. So how can we achieve the proper balance between investigator-driven and applied research? We have to have enough of both to satisfy the taxpayer that the work is justified and to ensure that we will have new ideas to draw on. I'm not saying that new ideas don't come out of applied research. But we need both.

There are numerous instances of how the findings from basic research become solutions to practical problems. Investigations of DNA early in this century were performed without knowing the real importance of the molecule. It was not until the 1950s that the scientific community accepted that DNA was indeed genetic material. Again, restriction enzymes that break the DNA molecule in unique ways had been examined, but without practical goals in mind. These two examples of fundamental curiosity-driven research have given rise to the multi-billion-dollar biotechnology industry. Examples exist in physical sciences as well. The initial interest in nuclear magnetic resonance was esoteric, investigator-driven research. That work has since given us magnetic resonance imaging, used extensively to diagnose a variety of medical disorders. Such promising avenues of investigation are frequently ignored in the commercial world as business follows different priorities.

Far from supporting only directed research, the academic world has to follow its mandate to provide new knowledge and to pass that knowledge along. Universities have to find a balance between encouraging faculty to pursue patentable

concepts and protecting the traditional role of the academy as a forum for the open exchange of ideas. Graduate students must be able to publish their results to show others how capable they are. Difficulties emerge if we go too far down the targeted research path. We won't be able to talk to one another about research, a favourite pastime for me and my colleagues. We need clear lines to indicate where the responsibilities of industry end and where the responsibilities of university begin. It's also important that government-funded partnerships be judged through peer review. If they're judged politically, then we're in trouble. Bad science may be supported just because it *appears* to be the thing to do.

Following on the success of the federal NCE program, there have emerged a number of new initiatives, most requiring industry partnerships so that intellectual property developed in universities can, when appropriate, be captured and commercialized. For governments, this seems a perfect approach to ensuring that Canadians derive benefits from their investment in higher education. In an ideal world, this should work. But we should recognize and guard against the pitfalls, for the ultimate benefit of both universities and industry. Although these new programs offer hope for our scientific community, will the scientist interested in laboratory curiosities be left out in the cold? And down the road, will we have the basic "money in the bank" on which to draw for targeted research? We need to strive for balance in government funding of investigator-initiated and targeted programs.

We've come a long way in the funding of research since the 1950s, when, as I recall, a project on blood preservation at McGill was supported by the Defence Research Board. More people are pursuing post-secondary education and post-graduate degrees. The whole international community depends on intellectual property and ideas. Many of the things that will be done in the next millennium will require new technologies and people educated beyond the bachelor's level. In my view, talk about Canadian productivity means intellectual productivity — computers, biotechnology, areas where we can apply our knowledge to use our raw materials more productively. It has become difficult for Canada to compete intellectually when many provincial governments view universities as an unimportant part of the inquiry into developing new technologies.

Canada has a wealth of talent in biological and life sciences. To increase public and political awareness of this resource, I plan to help showcase this talent and underline the role of research in ensuring a healthy economy through the annual meeting of the Canadian Federation of Biological Societies and by continuing the federation's liaison with like-minded organizations. For Canada to remain strong in the new millennium, we need vigorous, well-supported universities to produce graduates who have been taught to think and who understand current issues in their disciplines. Facing global competition, we must nurture the creative minds of our students to enable them to realize their full potential as individuals and to contribute to the vitality of this nation.

Y2K Marks End of Four Computer Applications

Users should download files now to avoid losing data

WITH THE CLOCK ticking down to the Year 2000, now's the time to find a new home for data you might have stored on several long-standing — and soon-to-be-replaced — computer applications.

By summer's end, you'll need to download files from four older systems to current computer systems or risk losing the information as the University completes its switch to

Y2K-compliant equipment and applications, says Doug Blain, manager of Systems Technical Support in Computing and Communications Services (CCS) and chair of Guelph's Year 2000 Committee.

Four applications that are not Y2K-compliant will be affected — the financial information system on the University's VM/CMS mainframe and three systems that are

used in computer-aided learning — CaDrill, VITAL and CoSy. These legacy systems are not Y2K-compliant and might have encountered problems in handling the date change to the new millennium.

"Many people may not realize that these systems, some of which we've had for over 20 years, will disappear permanently and that all the applications and data will disappear

with them unless there's been a commitment to offload the data and archives," says Blain.

Data stored on the VM/CMS mainframe will be inaccessible when the pertinent hardware and software are scrapped. The only supported information service still on the system is the financial reporting system, which is being replaced.

A committee with representa-

tives from CCS, Teaching Support Services (TSS) and the Office of Open Learning has been testing new Web-based courseware systems to replace CaDrill, VITAL and CoSy. The group will recommend its selection to U of G's Advisory Committee on Information Technology. For more information, visit the Web site www.tss.uoguelph.ca/courseware or call Aldo Caputo in TSS at Ext. 2936.

A WOMAN OF SUBSTANCE

Former associate VP receives Women of Distinction Award for Lifetime Achievement

BY LORI BONA HUNT

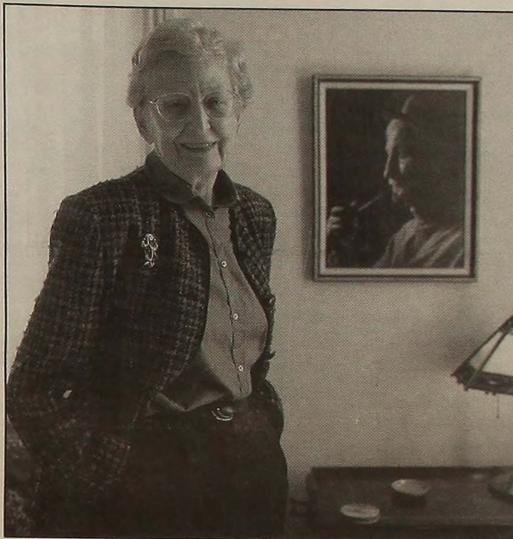
Janet Wardlaw, U of G's former associate vice-president (academic), has always been a woman ahead of her time. She's broken traditions, brought about change and been an inspiration to those who have followed in her path. Her lasting impact will be celebrated this week as she receives the Women of Distinction Award for Lifetime Achievement from the Guelph YMCA-YWCA.

Wardlaw was raised in Islington, then a village just outside Toronto, graduating from a small high school at a time when not many girls were expected to go on to university. She enrolled at the University of Toronto in 1942, majoring in household economics. "I was attracted to that field because it called for a lot of science classes like physics and chemistry, and I liked that," she says.

After graduation, Wardlaw worked as a dietician for a Canadian Red Cross school meal study. She then attended the University of Tennessee, graduating with a master's degree in public health nutrition. After working as a nutritionist for several years in Michigan and Toronto — and after countless nudges from female professors who "would never let me off the hook" — she went on to earn a PhD in nutrition from Pennsylvania State University.

Wardlaw's mother, Molly, did not live to see her daughter earn her doctorate. But before Molly died, Wardlaw discovered that her mother had carefully cultivated her daughter's education plans. Starting when Wardlaw was a young girl, her mother began preparing her more traditional father for the fact that their daughter would expect to go to university. "She did a really good job because I never would have known that he didn't expect me to go on to college and beyond," says Wardlaw. "I never felt any pressure to stay at home."

She joined U of G in 1966 as a professor in the Department of Foods and Nutrition and was appointed to a committee searching for a dean designate to revamp the curriculum of the Macdonald Institute. The world was changing; there were more women in the workforce, and areas such as child and consumer studies were becoming increasingly important. The Macdonald Institute had always been considered a leader in the home economics field, so any revisions would have a ripple effect, she says. "It was terribly important. We were looking for ways to



modify the program to meet the changing needs of society."

After several months of searching, Wardlaw grew frustrated. So she resigned from the committee and applied for the job herself. "It was a very difficult decision and quite presumptuous of me, but I felt it was something I should do."

She got the job as dean designate and slowly began the re-vamping process. She started with a survey seeking the opinions of alumni, then held lunchtime "brown bag briefings" for faculty and students. One of the undergraduate students at those "brown bag" sessions was Prof. Donna Woolcott, now chair of the Department of Family Relations and Applied Nutrition. "She became a very powerful role model from the moment I first met her," Woolcott says of Wardlaw.

With the support of faculty, students and alumni, Wardlaw transformed the Macdonald Institute into the College of Family and Consumer Studies, a leader in its field in North America. "It was quite an achievement to capture the support of the many

generations that were represented," Woolcott says.

Wardlaw was later named college dean — the only female dean at the time — a position she held for 15 years. In 1984, she became the first woman to break into the executive ranks at U of G by being named associate vice-president (academic). "I never, ever expected to be an administrator," she says. "When I was working on my PhD, one of my professors lined us up in the hallway one day and said: 'Some of you will have to be academic administrators one day; I can still see her pointing at me. I remember thinking 'Oh, come on, no way.'"

During this time, Wardlaw was also named the first female chair of the board of governors of the International Development Research Centre (IDRC), a position once held by former prime minister Lester Pearson. The centre brings together researchers from developing nations and Canada.

But Wardlaw says she never really thought about her "first woman" status. She was in a field dominated by women and always had a lot of female professors. "I didn't have any of that 'men-are-a-threat' baggage when I became an administrator," she says. "Every now and then, especially when I would go to functions in the States, people would ask: 'Isn't it hard working with all those tough men?' I would say: 'Sometimes I'm the tough one.'"

Wardlaw retired from U of G in 1987 and continued to chair the IDRC until 1992. Now, she fills her time volunteering for numerous community agencies and remains connected to the University, sharing an office on campus with other retired professors. When asked how she feels about the lifetime achievement award, she smiles. "I never thought of it as a 'lifetime of achievement.' A lot of great opportunities just came my way. I think I encouraged some people to do things with their lives, at least I hope I did."

Woolcott agrees. When considering a leadership position on campus a few years ago, she asked Wardlaw what makes a good leader. Taking pleasure in your colleagues' achievements was one of Wardlaw's answers. "She does take great pleasure in the success of others," says Woolcott. "She contributes in major ways to their success, yet takes none of the credit or glory. She continues to be a powerful role model for me. I draw inspiration from her as a woman and as a leader."

A Virtual Walk in the Park

Undergraduate's project will allow Web users to click and point their way through Donald Forster Sculpture Park

IT WAS WHEN "MOUNTAINS" began appearing in the grounds of the Macdonald Stewart Art Centre (MSAC) that fine art student Shauna Cake realized that model construction wasn't necessarily her strong suit. She'd decided she needed to build an old-fashioned scale model as part of her fourth-year assignment to create a computer-generated dimensional map for the Donald Forster Sculpture Park adjoining the art centre, a map that she will now use to design a first-ever Web page for the park.

But when the grounds began to assume a decidedly hilly topography, Cake realized she'd chosen an inappropriate scale to work with. Her next attempt was better, although she still turns up her nose at some of the model's trees, which she fashioned out of wire, glue and spongy mate-

rial. "I learned that model building is not my calling," she laughs. "Nature does it better."

What she does better, she says, is the subsequent photography and graphic design that have come together in an attractive poster-sized schematic of the MSAC building and grounds. Her work was on display recently in the Department of Environmental Biology graphic arts studio, where she has worked full time as a graphic artist for the past year.

That display represented part one of her independent studies course assignment for MSAC director Judy Nasby. Part two to be started this summer is the design of a new information brochure for visitors to the sculpture park, and development of a section in a brand-new MSAC Web site that will allow computer users to take a virtual stroll through the garden.

Cake was one of two undergraduates selected for last semester's course from among 20 students who had taken the earlier museum studies course offered jointly by MSAC and the School of Fine Art and Music. The second student selected last term, Michael Neerhof, wrote a manual on the care and handling of paintings for use by the art centre's student employees.

The idea for Cake's project came when Nasby asked her about designing a dimensional map along the lines of something Nasby had seen for an arts complex in Spain.

Cake consulted with landscape architects, researched prospective graphics packages and looked at other art gallery and museum Web sites. She photographed the MSAC building and grounds as well as her scale model, digitized both sets of photographs for use in creating com-

puter drawings, then married those drawings in a single image of the sculpture park.

By next winter, Cake will be ready to add her project to the art centre's Web site, which was designed and donated by fine art graduate Marion Manning and launched May 1. Starting at the main page, computer users wishing a more detailed view of the sculpture park will be able to visit Cake's page to amble around the grounds on a virtual tour and click on individual artworks for close-up views and information.

Nasby says the new Web site is "one of the most comprehensive and innovative public gallery sites in Canada." Referring to Cake's work, she adds: "We wanted our Web site to be outstanding for its artistic quality. Worldwide, there are not many art galleries or museums that have this kind of detailed dimensional

map of interior or exterior spaces. I liked that very much, being at the forefront of this kind of sophisticated information gathering and displaying it on a Web site."

Gestureing toward Cake's display set up recently in the Graham Hall studio, where she assists in photography and graphic arts projects for research and teaching around campus, photographer Don Hamilton says: "This is skills development, personality development."

Cake's after-hours work with camera and computer garnered her fourth place for a series of acetate images in the juried art show during this year's College Royal. In another part of that show, she documented what she calls the "dance" of sleep through mural-sized black-and-white photographs.

BY ANDREW VOWLES

Teaching Is Not a One-Way Performance: Fischlin

Continued from page 1

Being willing to consider the merits of novel literary forms is an example of the kinds of innovative ideas he looks to use in the classroom.

Another is his resurrection of a long-neglected device, commonplace books, in which students are encouraged to store away thoughts — day-to-day stories, vignettes, dreams, even those midnight “aha’s” — that might overlap with their academic readings and ideas discussed in the classroom.

More than glorified journal writing, this exercise in self-discovery traces its roots to Renaissance writer Michel Montaigne, the reputed father of the essay form. “It links them up to a historical writing practice,” says Fischlin. “It makes them feel like they’re doing something that has historical purpose.”

For Jennifer Ailles, who took his undergraduate Shakespeare class to fulfil a degree requirement and is now pursuing her master’s on *Romeo and Juliet*, using and creating a commonplace book proved to be “one of the most rewarding experiences of my undergraduate career.”

She recalls a creative assignment in which she wrote a series of fictional letters “discovered” by Indiana Jones that provided a possible set of motives for the actions of characters in *Macbeth*.

“To this day, I keep the bundle of *Macbeth* letters, tied neatly with a leather string, on my bookshelf as a reminder of the excitement and the world of possibility that I felt. I look forward to the day when I am a professor and can give my own students the same opportunity that Daniel gave me.”

Fischlin, who sees himself more as mentor and “fellow learner” than

as the voice of authority behind the lectern, describes the classroom as “a performance space.”

“What we often forget is that it’s not a one-way performance,” he says. “A number of my classes have been generated by students who engage in dialogue and who actively disagree with me. You enter into a general dialogue where students see you responding, with respect, to what they think.”

He says he thrives on the excitement and enthusiasm of “teaching in the moment” despite the occasional sense of “walking the knife’s edge.”

“You have a game plan, a larger sense of the content issues you want to address, but you’re not quite sure

how you’re going to get there,” he says.

Fischlin recalls one student who challenged his “conservative” interpretation of a particular Shakespeare passage. Rather than sidestep the issue, “I opened up the class to a debate and produced a perhaps more radical reading than I’d thought possible.”

Described by colleagues as “one of the outstanding literary scholars of his generation,” Fischlin also earns kudos from students, more than 200 of whom signed his nomination form received by OCUFA. Wrote one student in words that appear in the OCUFA citation: “Daniel is the only professor I have known

in seven years of university study willing and ready to read bloodied pages.”

A longtime guitarist and lutenist, Guelph’s “Renaissance man” found his way to literature through music of the period. Fischlin points to the parallels between his use of improvisation in the classroom and his love of experimental jazz. Formerly fund-raising co-ordinator of the Guelph Jazz Festival, he is now co-editing a book — *The Other Side of Nowhere: Jazz, Improvisation and Cultural Theory* — with fellow English professor Ajay Heble, who heads a research project related to the Jazz Festival that recently received federal funding through the Centre for Cul-

tural Studies.

Perhaps not surprisingly, Fischlin’s own most memorable teachers were people who had actively engaged students in learning. He recalls one instructor years ago who, then in his mid-60s, pinned a student against a wall while giving his non-plussed classmates a broad wink. The lesson for Fischlin: “Authority is not what he was about. Passion for learning was what he was about. Authority comes from study and discipline, but it also comes from the ability to wink out of the corner of your eye and say there’s an element of passion, a love for what you do.”

BY ANDREW VOWLES

MET Methodology Raises Concerns

Continued from page 1

graduates. Follow-up phone calls were conducted by institutions between mid-March and April 4, 1999. An impressive overall response rate of 54 per cent was achieved.

Guelph did equally well in graduation rates, although Grant believes that the methodology adopted by MET’s pilot project seriously underestimates Guelph’s true graduation rate. “We have communicated our concerns to both COU and MET and hope that next year’s process will accommodate our unique institutional circumstances,” he says. He notes that MET’s methodology is quite different from that used by *Maclean’s* magazine.

According to the ministry’s calculations, the overall graduation rate

for all programs at U of G is 72.4 per cent. This is higher than the system average of 70.8 per cent for all programs.

The MET methodology involved the selection of all full-time year-one undergraduate students who were registered at the institution on the official fall 1990 count date and who were seeking either a bachelor’s or first professional degree. This cohort was tracked between 1991 and 1997 to determine if a student had graduated from a program.

Grant notes that the initial methodology disadvantages Guelph because of its semester system. “Guelph is one of the few institutions that conducts academic review after one semester of study, and the

flexibility provided by the semester system, coupled with our multiple-entry points, means that many first-year students in the fall of 1996 were, in fact, admitted in previous semesters.”

Grant estimates that Guelph’s accurate graduation rate of “new” semester one students admitted in fall 1990 and who continued their studies in the winter 1991 semester is probably closer to 77 or 78 per cent, which “would place the University of Guelph in the top among comprehensive universities in Canada.”

The 1998 default rates reflect the repayment status of students (undergraduate and graduate) who were issued Ontario student loans in the 1995/96 academic year, did not re-

ceive an Ontario student loan in 1996/1997 and defaulted on their repayment obligations about two years after graduation. Student loan recipients/defaulters are, for purposes of calculating default rates, assigned to the last institution/program they attended in 1995/1996. The status of these loans was assessed as of July 1998 or about two years after entering into repayment. The 1998 default rate for all programs at U of G is 10.6 per cent. This compares with 12.3 per cent for all programs at Ontario universities.

For full performance indicators by program, visit the Web site www.uoguelph.ca/OSAPindicators.

BY DARLENE FRAMPTON

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OAC Proposes Ties with South African College

Preliminary discussions under way to develop training and curriculum programs



Richard Awumey of Fort Cox College in South Africa, centre, meets with OAC international development director Frank Eady, left, and OAC dean Rob McLaughlin to discuss links with the college.

PHOTO BY MARTIN SCHWALBE

South Africa's Fort Cox College of Agriculture and Forestry hopes to benefit from the expertise of the Ontario Agricultural College in developing training programs that address the needs of the post-apartheid era.

Preliminary discussions are under way to develop training and curriculum programs that build entrepreneurial skills and develop key growth areas of continuing education, horticulture, food science and nutrition at Fort Cox College. Richard Awumey, principal of the South African college, visited U of G earlier this year, and Frank Eady, OAC's new director of international development (see story below), visited Fort Cox last month.

The South African project is part of OAC's strengthened focus on international development, says OAC dean Rob McLaughlin, who visited Fort Cox two years ago.

"The two colleges have different

contexts but also similarities, and we can learn from each other," he says. "Both colleges used to be part of a government ministry and both have close connections to a university (Fort Cox is closely affiliated with Fort Hare University). And there is a need for both colleges to become more entrepreneurial and focused."

Awumey, who toured Alfred, Kemptville and Ridgetown colleges and the Horticultural Research Institute of Ontario (now part of the Department of Plant Agriculture) while in Canada, says his institution can benefit greatly from OAC's knowledge.

"The environments of the two colleges are different, but the basic principles underlying them are similar," says Awumey. "We want to tap into the experiences of OAC to see what works for us."

His college needs training programs that teach entrepreneurial

skills and meet the needs of the land-based sector. The college also needs to develop continuing education programs to help South Africans deal with the issue of land restitution. Under apartheid, blacks were prohibited from owning and working land, but the post-apartheid era has seen the return of lands to their owners, says Awumey. Fort Cox wants to develop short courses and distance learning programs that will teach people how to produce food and fibre from their reinstated lands.

Established in 1930, Fort Cox College has 234 students, half of whom are female. It teaches animal production, crop production, home economics and farm management in agricultural programs. It also teaches community forestry, which promotes community involvement in managing forest resources such as medicinal plants and firewood.

BY MARGARET BOYD
OFFICE OF RESEARCH

College Names Director of International Development

Role is to search out international business opportunities

FRANK EADY, former director of the Horticultural Research Institute of Ontario (HRIO), has been named director of international development for the Ontario Agricultural College.

Eady's new role is to actively search out new international business opportunities for OAC departments and to "shepherd" the process of putting together partnerships and proposals that meet the goals of funding agencies for international development projects. He will also

develop international partnerships in conjunction with the Ontario Ministry of Agriculture, Food and Rural Affairs and its affiliations with the Ontario Veterinary College, Laboratory Services and the agricultural colleges of Alfred, Kemptville and Ridgetown.

The new position will build on OAC's good track record in international work, says Eady, who will work closely with faculty and with the Centre for International Programs (CIP). CIP director Prof. Jim

Shute says he is looking forward to working with Eady and expanding international opportunities for OAC.

"A large part of this position is to identify opportunities, build relationships with funding sources and other institutions, and promote international development," says Eady.

HRIO director since 1983, Eady will spend 80 per cent of his time as director for international development and 20 per cent conducting horticultural research. He will work primarily from an office in Vineland.

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A STITCH IN TIME

Staff members in the Office of Registrarial Services teamed up to create this quilt to enter in a national breast cancer survival project called "The Quilt: A Celebration of Survivors." The quilts are on display at the Stratford-Perth Museum until October and will be sold in November to benefit the Canadian Cancer Society. From left are Bonnie Palmer, Judy Kerr, Karen Atkinson, Sharon Beach, Stella Holley, Karen Vandivier, Joanne Poluch, Debbie Kron and Pat Dawkins.

PHOTO BY MARTIN SCHWALBE

Educational Cartoon Series Depicts Safety, Equality Issues Affecting Women

Series illustrates factors that affect climate for women on university campuses

THE HUMAN RIGHTS and Equity Office (HREO) has developed a series of original and realistic cartoons that depict safety and equality issues affecting women on university campuses. The "Respect Women!" cartoon series is being featured in the *Ontarian* and has been duplicated on posters around campus. It will run into the winter 2000 semester.

The concept for the educational cartoon series was developed by Jodie McConnell, acting director of HREO, who received a women's campus safety initiatives grant to fund the project proposal.

"I chose the cartoon format as a means to reach people who are less likely to read an article or consciously learn about women's op-

pression," says McConnell. "The cartoons allow us to illustrate complex power dynamics and provide a straightforward educational message."

She hopes the cartoons will increase the awareness of even the most unsuspecting reader. The cartoons are directed at a student audience, but contain important messages for all members of the University community, she says.

The series illustrates incidents of sexual harassment, date rape, racism, homophobia, ableism and other factors that affect the climate for women on campus. They depict scenarios that occur in a variety of university environments, including a residence, a classroom, an academic conference, during Frosh

Week, after a sports event and in a bar. The characters include students, staff and faculty members and are purely fictional, McConnell says.

Human rights consultant Mahejabeen Ebrahim and education and special projects co-ordinator Celina Sousa were involved in developing the scenarios for the cartoons. They based the scenarios on the type of incidents of harassment and discrimination against women that are reported on university campuses.

The artwork for the series was created by Robin Baird Lewis, a local cartoonist and illustrator who is a graduate and former employee of U of G.

For more information about this initiative, call the Human Rights and Equity Office at Ext. 3000.

APPOINTMENTS

Shawki Areibi of Waterloo will become an assistant professor in the School of Engineering June 1.

Prof. David Evans has been appointed chair of the Department of Molecular Biology and Genetics for a five-year period that began May 1.

Stephen Henighan of North Gower, Ont., joined the School of Languages and Literatures as an assistant professor Jan. 1.

Prof. Jorge Nef of the Department of Political Science joined the College Faculty of Environmental Design and Rural Development Jan. 1.

Siobhan Lambert-Hurley will

join the Department of History as an assistant professor Aug. 1.

Profs. Harry Lane and Christine Bold have been named acting co-directors of the School of Literatures and Performance Studies in English until July 1, 1999.

Prof. John Leatherland has been reappointed chair of the Department of Biomedical Sciences for a five-year term that begins in August 1999.

Jean Mayer will join the Department of Political Science as an assistant professor Aug. 15.

Prof. Kevin Parton was appointed chair and professor in the

Department of Agricultural Economics and Business Jan. 1.

Prof. David Rapport of EcoSystem Health joined the College Faculty of Environmental Design and Rural Development Jan. 1.

Stephen Kosempel will join the Department of Economics as assistant professor Aug. 1.

Marcel Schlaf of the Brookhaven National Laboratory in Upton, N.Y., was appointed assistant professor in the Department of Chemistry and Biochemistry Jan. 1.

Simon Yang of Edmonton will join the School of Engineering as an assistant professor Aug. 1.

Centre Six Renovations Scheduled for Summer

New campus food outlets cater to changing trends

PITAS AND PASTA — hot commodities in campus eateries across North America — will be added to the smorgasbord of food choices in the University Centre food court during this summer's planned renovations of a section of Centre Six. Hospitality Services will install a pita bar where the submarine sandwich outlet is currently located and put a pasta bar where Nature's Best now sits.

Dave Boeckner, director of Hospitality Services, says the project will allow the food court to attract new customers hungry for pitas and pasta. "We didn't have made-to-order pastas in Centre Six," he says. "They're extremely popular in Creelman Hall, and we want to offer the same selection in Centre Six."

To accommodate the additions without losing current Centre Six offerings, Nature's Best will move into adjacent space currently occupied by a deli counter. Both the deli and submarine counters will be relocated to new kiosks, along with a new soup bar, on the east side of the food court backing on to the UC courtyard.

The only outlet in that section of Centre Six to be left untouched during the renovations will be the Tim Horton's franchise.

The renovations will begin June 21 and are expected to be completed

before the start of classes in September. Because the renovations are minor, there will be little disruption of service for Centre Six users this summer, says Boeckner.

The project will be funded through non-exclusive agreements with the University's food service business partners.

This summer's project represents the second phase of upgrades that began last summer with construction of a solarium and renovation of the seating area at the north end of the UC.

The University had planned to completely renovate the Centre Six food court this year, says Boeckner, but facing a tight timeline and provincial building code restrictions, Hospitality Services decided to break the project into three bite-sized chunks. Renovations in the remainder of the food court will be completed in subsequent years.

In another project this summer in the Mountain Hall dining room in South Residences, Hospitality Services will renovate the kitchen and convert part of the dining room into a coffee house, along the lines of Pages above the University Bookstore and the Daily Grind in the UC. As with those two existing outlets, the new coffee house will be operated by the University and will offer

specialty beverages, gourmet desserts, sandwiches and salads.

The first coffee house to be built in a U of G residence, the new 130-seat facility will serve the roughly 1,700 students living in South Residences. The space will include three lounges with couches and televisions and a central area with tables and chairs.

"Coffee houses are a growing trend, especially in the university and college market," says Boeckner. In an article on that very topic in the March 1999 issue of *On-Campus Hospitality*, both Pages and the Daily Grind received prominent coverage, along with similar facilities in two colleges in Pennsylvania and New Hampshire. The magazine is published in New York and distributed to food-service and hospitality managers at universities and colleges across North America.

Noting that U of G routinely plays host to hospitality managers, such as the recent U.S. visitors who came to view Creelman, Boeckner says Guelph has always tried to be a leader in the food-service business.

"Coffee houses are springing up all over the city, and it's important that we develop new concepts to stay market-focused and competitive."

BY ANDREW VOWLES

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House or apartment for two adults and well-behaved child for month of July, 867-669-9115 or send e-mail to sophie@ssimicro.com.

Furnished room for fourth-year student in quiet house for Sept. 1, parking, laundry, downtown or country location, references available, send e-mail to eboyle@uoguelph.ca.

Two-bedroom condo, house or apartment for married couple for end of August or beginning of September, close to campus, rent under \$600, 403-327-6816 or send e-mail to heigtj@uleth.ca.

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Horticulturist Henry Kock will lead garden history walks June 7 and 9 at 7 p.m. Topics to be discussed include the origins of formal gardens and the culinary use of dandelions. Cost is \$26. Registration and payment are required by May 31. To register, call Ext. 4110.

The Arboretum and NEST present "Hooray for Summer!" June 6 from 1 to 4 p.m. at the nature centre. Children's activities include pond dipping, making leaf prints and exploring insect habitats. Admission is free.

In the Hospice Wellington Lilac Garden, a lilac tree will be dedicated in memory of loved ones May 30 at 2 p.m.

ART CENTRE

The Macdonald Stewart Art Centre is extending its summer hours thanks to increased funding from the Canada Council for the Arts. Normally closed to the public in August, the art centre will be open Tuesday to Sunday from noon to 5 p.m. throughout the month. Summer art camps for children aged seven to 12 will extend through August, as will the exhibitions "Verne Harrison: Museum Chronicle A Postmodern Parody," "Ron Shuebrook: New Acquisitions, Paintings and Drawings 1985-1997," "Greg Murphy: Fragments," "Sowing the Seeds: 125th Anniversary of the Ontario Agricultural College" and "New Acquisitions in Inuit Art."

"Rock Experience," a percussion performance incorporating stories by Guelph musician and artist Jesse Stewart, runs June 5 at 1:30 p.m. at the art centre. The free concert is part of the Guelph Spring Festival.

LECTURES

Arun Majumdar of the Department of Computer Science and Engineering at the Indian Institute of Technology, will give two public lectures as Winegard Visiting Professor in the Department of Computing and Information Science. His topics are "Transaction Modelling and Concurrency Control in Active Database Management Systems" May 19 and "An Object-Oriented Approach to High-Level Synthesis of Digital Circuits" June 2. Both lectures begin at 11 a.m. in MacKinnon 223.

Karlheinz Altendorf, a microbiology professor at Germany's Universität Osnabrück, will give two public lectures as Wellcome Visiting Professor in the Basic Medical Sciences. On May 25, he discusses "The Osmosensory Mechanism of the Sensor Kinase KdpD of *Escherichia coli*" at 3:30 p.m. in OVC 1714. On May 26, his topic is "The Kdp-ATPase of *Escherichia coli*, a K⁺-Translocating P-type ATPase of Unique Subunit Composition" at 3:30 p.m. in OVC 1713.

NOTICES

A memorial tribute and dedication for professor emeritus Charles Smith, Animal and Poultry Science, who died June 16, 1997, will be held May 30 at 3 p.m. on the site of a living memorial established in his memory at the Arboretum. (In the event of inclement weather, the event will be held inside the Arboretum Centre). Prof. John Gibson, Animal and Poultry Science, will lead the tribute. Friends and colleagues are invited to come and share their thoughts and memories.

U of G prohibits harassment or discrimination on the basis of human rights in work, study, residence and other areas of university life. Any student, staff or faculty member with a concern or complaint about possible harassment or discrimination can seek confidential information and advice from the Human Rights and Equity Office, 15 University Ave. E., Ext. 3000.

The Stress Management and High Performance Clinic will offer a program to promote better sleep beginning May 25. The five-session program will meet Tuesdays from 5:30 to 6:30 p.m. in UCC 442. Cost is \$50 general, \$20 for U of G students. For more information, leave a message at Ext. 2662 or visit the Web site www.uoguelph.ca/~ksomers.

The International Development Research Centre seeks proposals for collaborative interdisciplinary research designed to enhance understanding, methodology and capacity to use natural resource management or ecosystem approaches to the improvement of human health in agro-ecosystems. Proposals should be developed jointly by collaborating institutions. Application deadline is July 16. For more information, fax to 613-567-7749, send e-mail to ecohealth@idrc.ca or visit the Web site www.idrc.ca/ecohealth/index.html.

The Participatory Development Forum will hold a conference on "Deepening Our Understanding and Practice: A Conference on Participatory Development and Beyond" Aug. 25 to 27 in Ottawa. Full details are available on the Web at www.caicd.ca.

The Alliance for Historic Landscape Preservation presents a conference titled "Borderlands: The Shared Canadian and U.S. Experience of Landscapes" June 2 to 5 at Niagara-on-the-Lake. Academics and practitioners from across North America will present papers and conduct a community workshop. For more information, call Prof. Nancy Pollock-Ellwand, Landscape Architecture, at Ext. 6577 or send e-mail to nellwand@la.uoguelph.ca.

The Going Global program of the Association of Universities and Colleges of Canada (AUCC) offers grants of up to \$5,000 in the field of science and technology to cover the

travel costs of Canadian university professors and researchers going to Europe or their counterparts coming to Canada. AUCC will provide two-thirds of the total costs. Application deadline is June 15. For application forms and information, call 613-563-1236 or send e-mail to mdelmei@aucc.ca or lvadzis@aucc.ca.

The Office of First-Year Studies is looking for Guelph faculty or staff who are (or were) parents (or partners) of U of G students to participate in a panel discussion at the upcoming START for Families program. The program will run June 26 and July 6, 17 and 23. For more information, call Roberta Mason at Ext. 2365.

The Gryphon Track and Field Camp for children eight and up returns this summer, led by Gryphon head coach Dave Scott-Thomas. Two camp sessions are planned — July 12 to 23 and Aug. 9 to 13. For more information, call Ext. 3430.

The International Development Research Centre (IDRC) offers internship awards to provide exposure to research for international development through program work and research under the guidance of IDRC staff. Internships run four to 12 months in Ottawa or at a regional IDRC office. Application deadline is Sept. 15. For information, call the IDRC at 613-236-6163, Ext. 2098, fax to 613-563-0815, send e-mail to cta@idrc.ca or visit the Web site www.idrc.ca.

The Health and Performance Centre is sponsoring a "Kids in Action" photo contest. Cash prizes of \$100, \$50 and \$25 will be awarded. Entries must include the name, age and phone number of the child. Submission deadline to the centre is June 15.

The Inter-American Institute for Co-operation in Agriculture in Canada offers an internship program for Canadian and Latin American professors, agricultural researchers, post-graduate students and specialists from the agricultural public and private sectors interested in developing a co-operative and/or work relationship with Latin American and Canadian universities and research centres. Application deadline is June 30. For information, call Mario Seixas or Raymond Dugas at 613-230-1044, send e-mail to rdugas@iicacan.org or visit the Web site www.iicacan.org.

SEMINARS

The Department of Pathobiology seminar series continues May 21 with Prof. Robert Foster on "Becoming a Board-Certified Pathologist — the Certifying Examination of the American College of Veterinary Pathologists" and June 4 with Peter Borgs on "Organic Chromium: an Element of the Immune Response." The seminars begin at 2 p.m. in Pathobiology 2152.

The Department of Human Biology and Nutritional Sciences seminar series continues May 31 with Paul Pencharz of the University of Toronto discussing "Aromatic Amino Acid Requirements in Children with PKU Determined Using IAAO" at 3 p.m. in Animal Science and Nutrition 141.

THESIS DEFENCES

The final examination of Trevor Newton, an M.Sc. candidate in the Department of Chemistry and Biochemistry, is May 20 at 2 p.m. in MacNaughton 222. The thesis is "Mechanistic Studies of Methionyl-tRNA Formyl Transferase and the Importance of Formylation in Eubacteria." The adviser is Prof. Dev Mangroo.

The final examination of M.Sc. candidate Glenn Wagner, Zoology, is May 21 at 9 a.m. in Axelrod 265A. The thesis is "Investigation of Effective Fish Surgery Techniques." The adviser is Prof. Donald Stevens.

The final examination of Steve Giguère, a PhD candidate in the Department of Pathobiology, is May 28 at 9:30 a.m. in Pathobiology 101. The thesis is "Role of the 85-Kilobase Plasmid in Virulence of and Immunity to *Rhodococcus equi*." The adviser is Prof. John Prescott.

The final examination of PhD candidate Jennifer Griffin, Molecular Biology and Genetics, is May 28 at 1 p.m. in Axelrod 222. The thesis is "An Analysis of Tea Domain Proteins." The adviser is Prof. Alan Wildeman.

The final examination of Donna Berry, a PhD candidate in the Department of Human Biology and Nutritional Sciences, is June 4 at 9 a.m. in Animal Science and Nutrition 141. The thesis is "Mechanisms of Monocytic Differentiation and Apoptosis in Acute Promyelocytic Leukemia Cells: Responses to 1 α ,25-dihydroxyvitamin D₃ and All-*Trans* Retinoic Acid." The adviser is Prof. Kelly Meckling-Gill.

COMMUNITY EVENTS

The Ontario Public Interest Research Group (OPIRG) will hold its 20th Speed River cleanup June 5 starting at 9:30 a.m. Individuals, groups and businesses are invited to form teams of eight to 10, or you can just sign up and a group will be formed for you. An appreciation event for participants will run from 10 a.m. to 5 p.m. at McCrae House, featuring a barbecue, displays and music. The Boathouse will host a community appreciation night June 3 at 8 p.m. for those who have supported OPIRG throughout the years. Rain date for the cleanup is June 12. For more details, call 824-2091.

The Guelph Spring Festival opens May 28 with a gala concert at the River Run Centre and runs until

June 6. The program offerings range from chamber music to jazz and include free community concerts and a day-long Streetfest May 29 from 11 a.m. to 4 p.m. in downtown Guelph. For information, visit the festival Web site at www.freespace.net/~gsf. For tickets, call 763-3000.

The Guelph Off-Road Bicycling Association meets June 1 at 7:30 p.m. on the third floor of the U of G Police Services Building. The association will hold a trail maintenance day May 29 at 9 a.m. at the Trailhead at Victoria Road North near the bridge. Everyone is welcome. For more information, call 821-8013.

The AIDS Committee is hosting a charity garage and bake sale May 29 from 8 a.m. to 3 p.m. at Torrance Public School, 151 Waterloo Ave. For more information or to volunteer your help, call 763-2255.

The Guelph Arts Council offers guided walking tours of historical Guelph on selected Sundays from May to October. Tours last two hours; cost is \$2. Upcoming tours will focus on Victorian Guelph May 23, the city's beginnings June 6 and downtown Guelph June 13. The walks leave from the Guelph Civic Museum.

The Central Ontario Orchid Society will meet May 31 at 6:30 p.m. in Kitchener at the St. Joseph Catholic's Church at Courtland and Madison. "Paphiopedilum" is the topic of guest speaker Claudio Rossi. For more information, call 836-4321.

The Zonta Club of Guelph presents its 15th annual tour of homes June 6 from 11 a.m. to 4 a.m. Tickets are \$15. For information or to reserve tickets, call the Guelph Civic Museum at 836-1221.

Victory Public School will hold its 38th annual dessert party and fun fair May 27 from 6 to 8 p.m. at 135 Exhibition St.

The Royal City Quilters Guild will meet June 8 at 7:30 p.m. at Westwood United Church on Willow Road. Carol Goddu will discuss 3-D appliqué and pictorial quilting. For more information, call Diana Magrath at 836-3933.

The Guelph Creative Arts Association presents its 13th annual "Painting on the Green," a show and sale of art and crafts, June 12 and 13 from 11 a.m. to 5 p.m. at the Delhi Recreation Centre.

The Poetry Break Reading Series at the Take-a-Break Coffee Shop in Fergus will feature Toronto writers Philip Arima and Catherine Jenkins June 4 at 8 p.m. Admission is free.

The second annual Elora spring sculpture show is June 19 from 10 a.m. to 6 p.m. at Victoria Park in Elora.