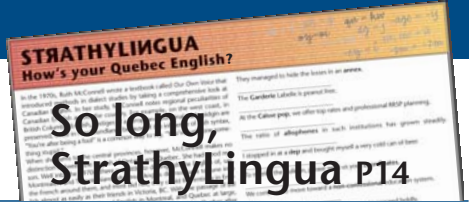




# QUEEN'S GAZETTE



In search of forgiveness P8



## HISTORIC QUEEN'S CENTRE SIGNING



CELIA RUSSELL

From left, Vice-Principal (Advancement) George Hood, AMS President Ethan Rabidoux, Acting Associate Vice-Principal and Dean of Student Affairs Janice Deakin and AMS Vice-President University Affairs Shiva Mayer sign copies of an agreement where students would pledge \$25.5 million, to be collected over a 15-year-period. The signing took place Dec. 1 in the Memorial Room of the John Deutsch University Centre.

## Students make record pledge

Queen's undergraduate students have officially agreed to give \$25.5 million to their institution, believed to be the largest-ever single contribution by Canadian post-secondary students to an educational institution.

Alma Mater Society (AMS) President Ethan Rabidoux and AMS Vice-President, University Affairs Shiva Mayer signed an agreement with the university Dec. 1 to pledge \$25.5 million to be collected from students over a 15-year-period.

The contribution is being made to the Queen's Centre, a unique \$230-million facility for student life, athletics, academics and recreation, as well as a new home for the School of Physical and Health Education. It is to be built in phases over the next 10 years and is the largest construction project ever undertaken by the university. Phase 1 construction is set

to begin next spring.

"We're very grateful to have this level of enthusiastic support from our students," said Vice-Principal (Advancement) George Hood. "It speaks to their long-term commitment to their university, that they are thinking about the students who come after them. Everyone has heard of the famous Queen's spirit and this is that spirit in action."

"Our students are investing in the future of their institution and in their colleagues-to-be," said Janice Deakin, acting associate vice-principal and dean of student affairs and director of the School of Physical Health and Education. "They should be applauded for their forward thinking commitment to a quality learning environment."

Earlier this year, students voted 71 per cent in support of an annual fee per student that

would raise the \$25.5 million over a 15-year period. For the first five years, each student will contribute \$71 per year. That amount will rise for the remaining 10 years, with each student contributing \$141 per year.

In addition to the \$25.5-million student contribution, the \$230 million includes about \$130 million to be raised through private contributions and \$62 million in debt financing.

In an address to the Board of Trustees Dec. 2, Mr. Rabidoux said that at last year's AMS AGM, they were told that if students decided not to support the Queen's Centre, the project would die.

"Students answered the call with an overwhelmingly positive message," he said.

He paid tribute to past AMS presidents, who believed in the vision of the Queen's Centre at

a time when many others thought it could not be done.

This contribution maintains a tradition of student giving to this school that spans three different centuries, he said.

"Current students are privileged to be the beneficiaries of the generosity and philanthropy of those who came before us. And so now, we seek to do our part by helping to fund this critically important project. We have many traditions at Queen's. One of them is the tradition of students preserving this institution and taking an active role in making it better for future students. My generation has proven its desire to take care of Queen's and give back to it after all it has given to us."

Grant Hall, one of the campus' most historic buildings, was built with the help of student dollars.

## Alumni weekend to go ahead

By CELIA RUSSELL

Principal Karen Hitchcock has condemned the potential use of tasers and other violent police tactics should another Aberdeen street party take place.

"I am opposed to suggestions by city officials that such a situation can be appeased by tasers, water cannons and the use of dogs. Such tactics only aggravate the situation. We need to think of creative ways to move forward."

At a meeting of the Board of Trustees earlier this month, Principal Hitchcock also stated that Homecoming will not be cancelled for 2006.

"To do so would be to send the wrong signal," she told board members Dec. 3.

Queen's is continuing its investigation into the unlawful Sept. 24 street party, she said. "The university and its student body share an unequivocal abhorrence for the antisocial behaviour demonstrated by individuals and some of our students who were on the street that night," she said of the event, which involved more than 5,000 students from Queen's and elsewhere. In addition to breaking bottles and throwing them at police and emergency personnel, students at the party overturned a car and attempted to set it on fire.

Forty names have been referred to the Alma Mater Society (AMS) Judicial Committee, which has had to hire more people to handle the volume. The committee is the adjudicative panel of the undergraduate student body. It exercises jurisdiction over any matter of inappropriate behaviour involving undergraduate students, which adversely affects the interests and responsibilities of the university community.

In total, 300 provincial offences notices were issued and 20 criminal charges were laid.

No Queen's students are involved in criminal proceedings, Dr. Hitchcock said.

Dr. Hitchcock also told the board that the university's Task

See ALUMNI WEEKEND: Page 2

## Drop reliance on institutions, business leaders told

By THERESE GREENWOOD  
Kingston must wean itself from financial dependence on large institutions such as Queen's while focusing on building its commercial tax base, the local business community was told by a panel of experts from the Queen's School of Business.

"We need to take more control of the ship," said Ken Wong at the 24th annual Business Fore-

cast Luncheon, held Dec. 8 at the Holiday Inn. "We need to be less dependent on government grants and large public projects."

Professor Wong and colleagues John McHale, Lynnette Purda and Douglas Reid gave local business leaders much food for thought with their business predictions for 2006.

While national forecasts were cautiously optimistic, Professor

Wong drew the most attention with his prediction that Kingston's economic performance will decline significantly in 2006. Most noteworthy is an expected drop in GDP growth from 5.5 per cent to 2.3 per cent, with housing starts down from 800,000 to 700,000 units and retail sales growth down from 8.4 per cent to 2.6 per cent.

Worse still, that forecast is

almost completely dependent on government and large institutions, noted Professor Wong, citing spending on infrastructure, the proposed LVEC, and other municipal projects. Also influential is spending by large institutions such as Queen's and Kingston General Hospital.

"If it wasn't already, Kingston is becoming a government town,"

See BUSINESS FORECAST: Page 11

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For news updates visit us online @ [www.queensu.ca/newscentre](http://www.queensu.ca/newscentre)





## Queen's unveils a new kind of annual report

Queen's has published a new, comprehensive annual report that demonstrates the university's ongoing commitment to accountability.

It is the first of its kind and marks the next evolution of the university's annual financial report, published each year and endorsed by the Board of Trustees. Board members got their first look at the report at their Dec. 2 meeting.

"This new report is evolutionary," says Vice-Principal (Operations and Finance) Andrew Simpson, who initiated the new approach. "Our objective was to go beyond reporting the financial position of the university, and tell a clear and comprehensive story about Queen's and its perform-

ance over the past year."

By combining the university's annual financial report with key performance indicators and institutional benchmarks, this year's report provides a consolidated overview of the university for 2004-05. It also places a strong emphasis on the university's ongoing commitment to accountability.

"Accountability has been an emerging theme over the past several years and we recognize the importance of showing continued leadership in this area," says Mr. Simpson.

He highlights the university's consistent Number 1 ranking in the annual University Accountability Survey conducted by faculty at Wilfred Laurier University

that evaluates accountability levels at Canadian universities.

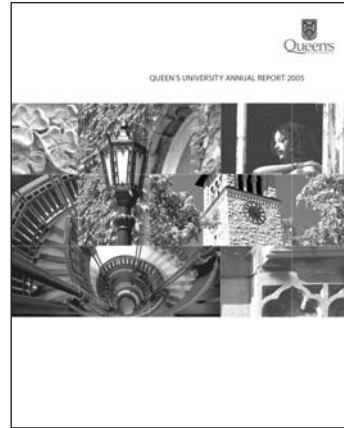
"Financial Services has done an outstanding job in getting to Number 1 for straight years, and this is now the next step," says Mr. Simpson. "Other improvements will follow in coming years."

The new document will also be used in support of increased institutional efforts aimed at advocacy.

"We don't want this report to sit on a shelf somewhere," says Mr. Simpson. "By outlining the many challenges facing Queen's and higher education in general, it is our hope that this report will foster a broader sense of engagement among key university stakeholders."

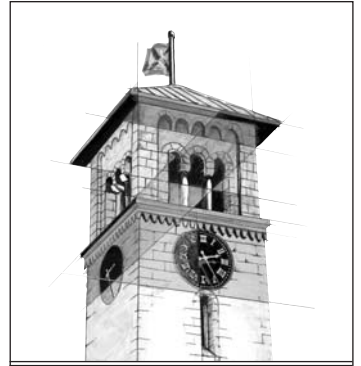
The annual report can be downloaded from the univer-

sity's website at [www.queensu.ca/annualreport](http://www.queensu.ca/annualreport)



CREATIVE SERVICES

Cover of the 2005 annual report.



## QUEEN'S GAZETTE

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## Alumni weekend

continued from page 1

Force on Community Relations is following up on its recommendation to develop a proactive planning strategy on alcohol abuse.

"This is an ongoing issue and not related to this set of events," she said, adding that there would be a continuing dialogue on civic responsibility. She also thanked students "for their leadership through all of this."

Acting Associate Vice-Principal and Dean of Student Affairs Janice Deakin reported that seven of the task force's 13 recommendations made in a report last May to improve community relations had been charged to her office – and that progress on all of them was on track.

The university has consulted widely with students, staff and faculty and with the community

and city. Dr. Hitchcock is continuing to consult with her counterparts at other Canadian and U.S. universities that face similar situations. She pointed to a Nov. 28 Gazette article that outlined constructive ways that McMaster University had dealt with town-gown issues.

University officials have repeatedly stressed the importance of distinguishing between the lawless event on Aberdeen Street and the traditional, positive Homecoming celebration most alumni experienced the weekend of Sept. 23 to 25.

At a Senate meeting earlier this fall, Vice-Principal (Academic) Patrick Deane described it as a student party held off university property and without university endorsement or sanction.

## HAPPY HOLIDAYS TO YOU AND YOUR FAMILY

The holiday season offers a time for reflection on the events of the past year and what the future may hold. We are very pleased that this year has been marked again by the considerable achievements and successes of members of the university community.

To our students, faculty and staff who have made this possible – thank you. To our board and senate members, alumni, neighbours and friends of the university, our sincere thanks to all of you for your continued support and dedication.

May the holiday season be filled with happiness for you and your families and friends, and may the year ahead bring peace and joy.

With warm wishes for 2006,

*Karen Hitchcock and Murray Blair*





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## Let's not forget about Canada, panel told

By KAY LANGMUIR

Queen's must honour its past and continue to build on its reputation of producing leaders who help to strengthen Canada, members of a distinguished panel of faculty and alumni told a university gathering recently.

"It's fashionable these days to emphasize international development," Ronald Watts, Principal Emeritus and a faculty member for 50 years, told the panel discussion on the past and future of Queen's.

"But we need to look at how Queen's can contribute to the development of Canada, and by strengthening Canada, also strengthen its contribution to global development."

Dr. Watts was part of a four-member panel to lead The Tricolour Endures, a retrospective discussion on Queen's and to reflect on three questions – what

makes Queen's special, how do Queen's experiences shape students' lives, and what is and what has been Queen's role in Canada's destiny?

Other panel members were Dr. Peter Taylor, Arts '65, Head of Mathematics and Statistics, Helen Cooper, Arts '68, former mayor of Kingston and former member of Queen's Board of Trustees, and Chris Lee, Arts '03, former AMS Academic Affairs Commissioner, and current chair of the Ontario Law Students Council.

Despite sparse attendance on a night of heavy rain, the discussion in Wallace Hall in the JDUC kept up for more than two hours. It comes at a time when the university community has been actively looking inward, and outward, at a series of town-hall meetings prompted by Principal Karen Hitchcock's discussion paper on the future of Queen's,

Engaging the World.

"With Principal Hitchcock's strategic visioning exercise under way, it seemed appropriate to hold a forum in order to examine our unique institutional character," said Rector Grant Bishop, who frequently organizes speaker forums on topical issues.

"We don't need this international focus," Chris Lee told the audience. "We need to help Canada. I'm not saying we should ignore the rest of the world. But we have a tradition of creating the best Canadian leaders and we need to continue that...You can't help but leave Queen's wanting to make a contribution, not just while you're here but throughout your life."

Much of what makes Queen's special has to do with its relationship to Kingston, Helen Cooper observed.

Queen's influence has helped

Kingston acquire a more sophisticated municipal system than it might otherwise have, she said.

In terms of progressive social decision-making, Kingston has been outstanding, in large part due to Queen's ability to influence policy and thinking, she said.

But Queen's should take more interest in Kingston's well-being because the destiny of the two are intertwined. Kingston has some serious problems, such as a fragile economy and a widening income gap between rich and poor, she said.

Ms. Cooper said she would also like to see Queen's do its part to assist Canada by helping to rejuvenate an aging civil service.

Panelists also acknowledged the importance of the student experience at Queen's in supporting excellence.

Dr. Watts noted that Queen's

has a strong tradition of student government dating back to 1878, and "it's not surprising that one hears frequent references to the Queen's spirit."

Mr. Lee observed that Queen's students "grow as leaders and as professionals not just because of what we learned in the classroom or from our professors, but because of what we learned from each other."

Dr. Taylor cautioned that the huge classes professors are required to teach drag down the whole student experience because it's impossible for faculty to get to know their students in any meaningful way.

Dr. Watts said that as a medium-sized university, Queen's is in a position to get the advantages of both a small and a larger university, "but we must be wary that we don't get the disadvantages of both."

## Fourth town hall on diversity draws full house

By CELIA RUSSELL

Interest in shaping Queen's future direction remained high as faculty, staff and students packed 202 Policy Studies recently for the fourth town-hall meeting to discuss Principal Karen Hitchcock's discussion paper, Engaging the World.

The Nov. 30 town hall focused on issues of access and diversity in the recruitment and retention of faculty, staff, and students to Queen's.

Dr. Hitchcock told the Board of Trustees meeting Dec. 2 that she was pleased with the range of issues that had been discussed at the first four meetings and the "level of engagement" shown by the university community in shaping the future.

Another student forum on issues related to access and another open town hall meeting on diversity will be held sometime in mid to late January. The dates will be confirmed on the Engaging the World website at

www.queensu.ca/principal/lookingahead. A draft strategic plan will be distributed for review in late February, with the final report expected to go to Senate and the Board of Trustees this fall, said Dr. Hitchcock.

At the town hall, Sociology professor David Lyon said the university should look to poorer countries in the global south in recruiting international students, who have a tremendous contribution to make. It would need to find funds to support these students.

"This would be a marker of how serious we are about internationalization," he said.

Embracing internationalization is not just having more international students, said Director of Health, Counselling and Disability Services Mike Condra. Queen's should use the opportunity to maximize the learning opportunities this allows – for example, deepening our awareness and understanding of a cul-

ture. He would also like to see the culture of the university become one of recognition and support for those who work here.

"Simple acts of recognition help people feel more connected and, dare I say it, happier!"

To increase graduate student engagement, Queen's needs to develop a teaching mentoring and training program for all doctoral students, and provide a broader range of residences, said School of Urban and Regional Planning professor David Gordon. He also recommended increasing grants and loans for international travel and research for undergraduates; connecting undergraduates to faculty research with a research assistant program; creating more coordinated, dual degree master's programs that connect undergraduate and graduate programs; expanding the undergraduate residence program with college houses and lowering the student to faculty ratio by hiring more faculty and decreasing

undergraduate enrolment to levels prior to the double cohort.

"We did our duty during the cutback and double cohort years; now is the time to focus on improving the quality of our undergraduate experience," he said.

In the context of Engaging the World, Philosophy professor Jackie Davies expressed her "puzzlement" about the extraordinary effort that seems to be involved for some at Queen's to even "engage" with their immediate environment.

The volunteer work that hundreds of students do, supporting local businesses and raising money for local charities can be seen as participating in community life, but does not qualify as outreach.

"Crossing boundaries, psychological, cultural and institutional is an important feature of engaging with the world. It includes, in my experience, interdisciplinary. My own academic

interests require me to cross the boundaries between academic disciplines."

The departmental administrative structure at Queen's works against this and needs to be reexamined, said Professor Davies.

The university needs to support its adjunct faculty, who work under financially insecure conditions and are often regarded as second-class citizens by tenured faculty

"All of these issues are further complicated by the extent to which interdisciplinary work is conducted by adjunct faculty... These faculty members are not paid for anything outside of their teaching duties and so any other forms contributions to the development and life of the university is voluntary... The university is missing the opportunity to benefit fully from the wealth of talent and experience of many who have been engaging with the world for a very long time already."

## BOARD IN BRIEF

**Notes from the Dec. 2 meeting:** Principal Karen Hitchcock applauded a proposed federal-provincial agreement that would allow international students at colleges and universities to work off campus.

Vice-Principal (Operations and Finance) Andrew Simpson reported that the university is making good progress on the Queen's Centre project and that he anticipated coming back to the board in May for approval for Stage 1 construction, beginning next spring on Clergy Street.

Audit Committee Chair Gordon Hall reported that the Wilfrid Laurier annual accountability study has been discontinued, as the authors believe the objectives had been achieved. When the study first started, Queen's ranked 45th with a score of 20 out of 100; it since rose to number 1, sustaining that rank for the last six years.

Campus Planning and Development Committee Chair Dan Burns reported that Gordon Hall renovations were behind schedule, but still on budget and is expected to reopen in the spring. The proposed new stadium at West Campus might be built on the Sir John A. MacDonald Boulevard (eastern) side, away from its current residential neighbours on the western boundary. Practice fields would shift to fit around

the new stadium. \$50 million will be spent over the next 10 years to upgrade residences. Studio and one-bedroom apartments will be built in response to the growth of graduate studies – a move back to the residential model the university once had.

The university plans to reactivate a subcommittee charged with looking at changes to the Queen's Pension Plan. In his report to the board, Pension Committee chair Bill Cannon said that the challenges facing the plan have not moderated over the year. In describing some of the challenges facing the plan, Finance Committee chair Bill Young said, "The good news is that our members have extraordinarily long life spans." There is also a larger percentage of retirees in the plan. The six recommendations the subcommittee made earlier in the year to improve the health of the plan have yet to be approved by all the university's employee groups.

**The board approved:** retaining KPMG as the university's auditor for fiscal 2006; revised terms of reference for the Baillie Family Chair in Conservation Biology; several (naming) dedication opportunities; a policy statement on environmental management and a policy statement on health and safety.

### AN ACTOR AND A SCHOLAR



STEPHEN WILD

Queen's first Stage and Screen Visiting Artist, Daniel MacIvor, makes a point at a meet-the-artist session Dec. 2 at Chernoff Auditorium. During his week-long visit, the popular dramatist, actor and filmmaker met with students, critiqued term projects and introduced a viewing of his latest film, *Whole New Thing*, fresh from its premier at the Toronto International Film Festival. The Visiting Artist – Stage and Screen Studies Endowment Fund was established to fund a visiting artist program in Stage and Screen Studies at Queen's University. Each year, the program will invite a director, writer, or other notable professional working in theatre, film and television to come to Kingston to conduct classes, hold a presentation for the Queen's and Kingston public and otherwise benefit students with their experience.



## Chemical Engineering celebrates successful 100 years

By KAY LANGMUIR

Leo Goodwin, the first head of Queen's Department of Chemical Engineering, died more than 60 years ago, but his virtues as an educator still resound throughout the department.

But only by preparing for its 100th anniversary celebration this year did department members come to tangibly understand the contributions of Dr. Goodwin and others in building one of the first such departments in North America.

"The anniversary helped us to recall and remember and appreciate our past and the people who built our department," said its current head, Ron Neufeld. "It was important to reconstruct that history and important to our relationship with our alumni."

The centenary celebration was officially held over two days in late September, as alumni from across North America gathered to enjoy social events, department tours and faculty talks on advances in the discipline.

But the occasion also developed into something of an archival recovery project, as renewed contact with aging alumni and their wealth of memories, photographs, and old documents, served to enrich the department's understanding and appreciation of its past.

"We're a very young department. We have a few emeritus professors, but if we don't do something now it will be gone," said Dr. Neufeld. "The centenary has done some really good things for us."

Alumni were so enthusiastic over the centenary and so touched by revisiting such a seminal period in their lives, that some were moved to make sizeable gifts to the department.

One couple that did so wished to remain anonymous, but decided to use their gift to honor a former teacher. The result was the Dr. L.F. Goodwin Endowment.

"It forced us to do some research about this person who had such an impact on this graduate that he left the department

almost a million dollars," said Dr. Neufeld.

Dr. Goodwin, staff discovered, was known for teaching his students before coming to Queen's in 1909. He was named head of the new Department of Chemical Engineering in 1922, a post he held until his death in 1944.

He was born Leo Guttman in Vienna, and studied in Europe before coming to Queen's in 1909. He changed his name to Goodwin while serving in the Canadian army during World War I. He was named head of the new Department of Chemical Engineering in 1922, a post he held until his death in 1944.

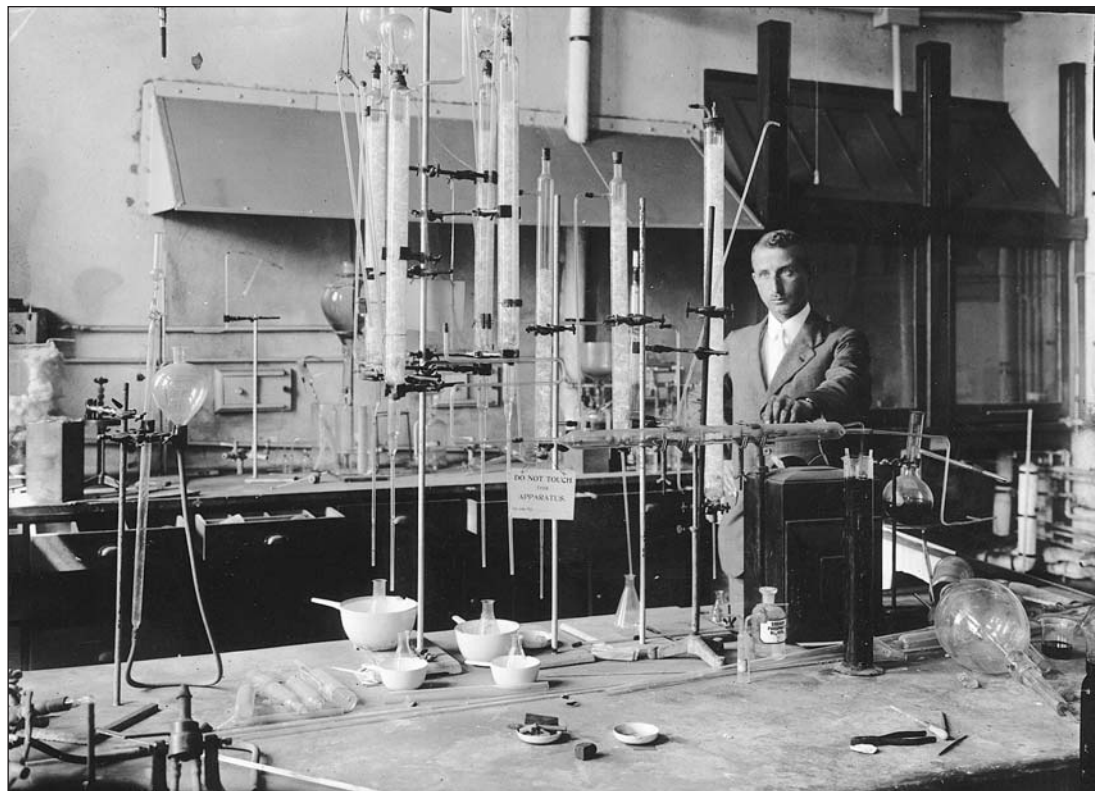
Some alumni recalled with amusement how in later years, Dr. Goodwin became somewhat autocratic, and was in the habit of frequently using a loud buzzer during lectures to summon the caretaker, Mr. Blaney, from some far corner of Ontario Hall to perform trivial services such as raising a window. One class decided to trace the buzzer wire and cut it in several concealed spots.

"The students enjoyed their professor's frustration, and the long-suffering Mr. Blaney had a respite until all the cuts had been found," says a booklet produced for the centenary.

Another alumnus inspired by the centenary donated almost \$600,000 to establish the Centennial International Exchange Endowment. The fund will help Queen's students partake of educational experiences abroad.

The fund will make it easier for the department to support initiatives for students to get involved in international work experiences such as those undertaken by Queen's Projects in International Development, said Dr. Neufeld.

The department held its first classes in 1905. It produced its first female graduate in 1957. Today, more than half are women. A dramatic increase in their numbers began in the early 1970s, when the department began to introduce bio-based programs with medical, health



QUEEN'S UNIVERSITY ARCHIVES

The first head of the Department of Chemical Engineering, Leo Goodwin, in his lab in Ontario Hall. He was an expert in chemical explosives; his expertise was called upon in both World Wars.

and biotechnology applications, said Dr. Neufeld. At the same time, the discipline began developing its environmental awareness. It began modestly on the level of a single course in wastewater management to mitigate harmful effluents – an afterthought approach known as the end-of-pipe solution.

Today, environmental considerations are integrated fully into every program. The standard approach is to solve environmental problems in the production and design stages, to minimize, absorb and recycle rather than waiting until the problem comes out the end of the pipe, explained Dr. Neufeld.

"Environmental considerations are part and parcel of everything we do," says Dr. Neufeld. "It's become almost second nature to consider the environmental aspects."

[www.chemeng.queensu.ca](http://www.chemeng.queensu.ca)



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Chemical engineering research today: Graduate students George Prpich, Krista Vandermeer and David Nielsen working with a partitioning bioreactor in Andrew Daugulis's lab.



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## University examines ways to increase teaching space

By CELIA RUSSELL

Queen's has only two lecture theatres that seat more than 400 people: 1101 Biosciences (450) and Dunning Auditorium (425).

Not only are there too few classrooms, not enough are of the right size. The campus was built for a much smaller enrolment and smaller classes. Seminar rooms are in high demand – however, the seminar classes that used to seat 20 now need to seat 30.

Today, there are 1,500 more full-time students just in undergraduate programs than there were five years ago. In the same five-year period, annual budget cuts (with the exception of this year) have resulted in a decrease in the number of instructors and an increase in students, leading to larger classes.

With elbowroom at a premium in most classrooms and lecture theatres, one of the many solutions the university may consider is to build a new complex dedicated to teaching.

This is among several initiatives a new group charged with examining the university's teaching space will be examining over the next several months.

Teaching space on campus has not grown at the same pace as enrolment, says University Registrar Jo-Anne Brady. Scheduling courses to meet program demands within such constraints is increasingly challenging, she says.

The university has to increase its capacity to provide quality education to growing numbers of students.

A central teaching facility containing lecture theatres and seminar rooms that could possibly

convert into an exam venue would serve to ease the pressure, she says, adding that other universities have done this. Exam space will be at a premium once Phase 1 construction of the Queen's Centre begins next spring. The university will be without an arena for five years beginning in the 2007-08 academic year.

The university needs to take a more systematic approach to planning and developing teaching space, says Associate Vice-Principal (Academic) John Dixon, who chairs the Teaching Space Committee.

"The committee is driven by a strong perception that we're not using the space we've got as efficiently as we could."

There has been no central mechanism for planning and managing teaching space until now – it has been ad hoc, explains Dr. Dixon. A need for such a committee arose from recommendations from the university's Space Management Policy. Approved by Senate in September 2003, it states that classroom space should be assigned centrally by the Office of the University Registrar.

The committee's mandate includes advising and making recommendations related to campus teaching space (lecture rooms and theatres, seminar rooms, teaching laboratories etc.) and also the planning, creation, alteration, renovation, reassignment and equipping of such space.

It has prioritized \$1.3 million worth of classroom renovations and instructional technology projects, which began last summer and are continuing through the academic year. (see article below).

Funds come from the provincial government and the faculties of Applied Science, Arts and Science and Education.

The committee will also advise on prioritizing teaching-related projects that are submitted for funding through the university's annual Renovations and Alterations (R&A) process, run by the Office of the Vice-Principal (Operations and Finance).

Even if a department controls its own lab space, it's important

to note that any changes that impact on teaching space, such as converting teaching space into research space, for example, need to be approved by the Teaching Space Committee beforehand, says Dr. Dixon.

Other committee members are Associate University Registrar, Student Records and Services, Bettyanne Gargaro (secretary), University Registrar Jo-Anne Brady, University Timetable Committee Chair John Pierce.

Associate Vice-Principal (Operations and Facilities) Tom Morrow, IT Services Director Sean Reynolds, Centre for Teaching and Learning Director Joy Mighty and undergraduate student Patrick Welsh (AMS Academic Affairs Commissioner).

Ken Roth, Campus Planning and Development and Richard Webb, IT Services act as resource people.

[www.queensu.ca/secretariat/senate/policies/space.html](http://www.queensu.ca/secretariat/senate/policies/space.html)

## Classrooms get a makeover

In addition to planning for future space needs, the university's new Teaching Space Committee has also helped to make existing classrooms more desirable and efficient places to teach and learn.

Five new e-classrooms 247 Goodwin, B2 Abramsky, 209 Ontario, 323 Ellis and Stirling Theatre B and the upgrading of e-classroom 102 Humphrey are part of \$500,000 worth of upgrades.

The funds are part of \$1.3 million worth of classroom renovations and instructional technology projects that began last summer and are continuing through the academic year. Each classroom contains a podium, data projector, VCR/DVD, sound system and wireless microphone, which allow instructors to "throw away all the remote controls," says Richard Webb, coordinator of IT Services Video and Multimedia Presentations. A touch panel or classroom dash-

board is used to control functions.

The goal is to have a standard interface between the user and the equipment in the classroom. About 75 or half the university's classrooms have undergone technology upgrades so far, he says.

Information Technology Services has also begun installing IP addressable equipment controllers in the e-classrooms. The devices allow technicians to take (remote) control of the major pieces of AV equipment. For example, if someone was trying to play a videotape but had mistakenly selected and sent a computer signal to the data projector, they could see the problem and change the input selection from their office.

Technology upgrades were based on recommendations made by the Teaching Space Committee from submissions made to them by faculties.

The remaining \$840,000 con-

sists of federal government money, funds provided by the deans and funds for deferred maintenance.

"The goal was to improve the function of the rooms as well as improve their appearance," says Vice-Principal (Operations and Facilities) Tom Morrow.

Projects range from the simple, such as replacing clocks in three rooms in MacDonald Hall to the complex, such as retrofitting the hydraulics lab in Ellis Hall. Other rooms received improved lighting, new furniture or a new coat of paint. To expand badly needed teaching space, an additional 1,786 new chairs were installed in 41 rooms in 13 buildings, boosting overall capacity by 245.

In addition to classrooms, Physical Plant Services managers identified areas that needed sprucing up. Many entrances, hallways and other high-profile areas received new coats of paint.



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## VIEWPOINT

BOB MALCOLMSON

Health, Counselling and  
Disability ServicesWho needs  
counselling?

Perhaps almost any of us, at some time in life, would benefit from personal counselling. Few of us are so psychologically robust that we can handle on our own everything that life throws at us.

While informal counselling of students has been around virtually forever, professional university counselling services are relatively recent. The Student Counselling Service at Queen's began only in the 1970s, at a time when there was still lots of reluctance among students to seek help when they were in distress. This reluctance has undoubtedly diminished during the past generation, and there is now a large and growing demand for the services of counsellors.

Most of the students who come for counselling are not mentally ill. Rather, they are commonly struggling to contend with some challenge of living. Perhaps they are dealing with a family crisis, or strained relations with a lover or friends, or uncertainty about the future, or an unexpected experience of significant failure. Perhaps perfectionist tendencies are starting to be burdensome, or a dislike of self is becoming more and more troubling. Perhaps they are mainly in search of career counselling or better learning strategies.

True, some students' problems are more serious, potentially or actually. These include eating disorders, addictions and substance abuse, clinical depression, and suicidal thoughts. For such students, counselling can be of vital importance in helping them to find appropriate medical or other expert care. For many of these "illnesses" with a psychological component, supportive counselling can be a first step towards better self-management – even recovery.

Probably the most pervasive issue in counselling students is anxiety.

There is, after all, a lot to be anxious about, and we all have to learn ways to respond to our own anxiety, make some sense of it (ideally), and minimize its negative impact. In the course of counselling, students may learn how to avoid catastrophic thinking, how to put problems into perspective, and how to distinguish between what can be changed and what cannot. They also often learn that to feel anxious – or awkward, or frustrated, or angry, or sometimes adrift – is by no means freakish but rather a "normal" human experience. People who are beautifully controlled, cool, and confident are products of advertising and Hollywood, not the real world, but many young adults have yet to discover this. One task of counselling is to normalize thoughts and experiences that are conventionally thought to be abnormal. "Normal," for humans, is much more elastic than many people think.

Counsellors come from diverse backgrounds and certainly display a great range of personalities (few whom I know are out of the "touchy-feely" mode). Technique doesn't have a lot to do with personal counselling (though it does with some forms of therapeutic treatment).

Rather, the effective counsellor must be able to (a) listen non-judgmentally, (b) enter imaginatively into the life experiences (the thinking and emotions) of the client, and (c) exercise good judgment in choosing when to talk, what to say, how to present suggestions – and when to say nothing at all. (Keeping judiciously silent is a crucial aspect of counselling.)

First and foremost, the student who goes to the counselling service is listened to, and (as much as possible) understood. Ideally, a sort of alliance is formed. Through this alliance, the student comes to a deeper self-understanding and a better ability to live with others, warts and all, and with him- or herself (warts also included). Counselling, too, can help to foster those strengths that people in distress have sometimes forgotten they possess. And some students, I suspect – and I hope this is not excessively idealistic – develop over time the healthy capacity to be their own counsellors.

Bob Malcolmson is a personal counsellor (part-time) at Health, Counselling and Disability Services, and a professor emeritus in the Department of History.

## Viewpoint Policy

The *Queen's Gazette* welcomes submissions for Viewpoint from members of the university community. Unless otherwise discussed in advance with the editor, articles should normally range between 600 and 700 words and should address issues related to the university or higher education in general. Speeches related to issues of interest to the university community are also welcome. Email submissions to [gazette@post.queensu.ca](mailto:gazette@post.queensu.ca). The editor reserves the right to edit or reject any submission that does not comply with policy. Opinions expressed are those of the writer.

## Letters Policy

The *Queen's Gazette* welcomes letters to the editor from members of the university community and other readers about matters related to content in the *Gazette*, the university or higher education in general. Letters must be original and addressed to the editor. Opinions expressed are those of the writer. The *Gazette* does not publish anonymous letters. Please include your name, affiliation and phone number. Email or disk is preferable. Letters should be submitted by noon to [gazette@post.queensu.ca](mailto:gazette@post.queensu.ca) on the Monday before publication. The *Gazette* reserves the right to edit letters to address style, length and legal considerations.

## QUEEN'S FLASHBACK: DECEMBER 1992



BOB WEISNAGEL

Principal David Smith (fourth from right) poses with the 1992 winners of the Special Recognition for Staff Awards at a holiday reception in Grant Hall. From left: Mary Salsbury, Lynn Freeman, Robert "Scotty" Johnson, Principal Smith, Mary Burgstaller, Helen Campbell and Marilyn Hood. For a special tribute by the University Secretariat, see page 10. For a photo of this year's winners, see page 9.

## Christmas trees and the law

For those doing research involving statutes, keep in mind that the federal, provincial and territorial governments have theirs online and ready to search at the drop of a hat.

E-laws (<http://www.e-laws.gov.on.ca>), for example, contains Ontario's public statutes and regulations and makes it easy to find out what the law is on just about anything.

Let's say you wanted to know how many times the word "Christmas" appeared in Ontario statutes and regulations and in what context. You type the word into the search box, and 31 "hits" appear. Not surprisingly, "Christmas" turns up in an employment law context (it's part of the definition of "industry holiday" as well as "public holiday" under the Employment Standards Act and regulations and "holiday" under the Retail Business Holidays Act). Nor is it a surprise that it appears in a regulation under the Education Act defining the length and duration of a "Christmas vacation."

More interesting is the fact that "Christmas" appears in the Pawnbrokers Act, the Drainage Act, the Pesticides Act, Farm Products Grades and Sales Act, the Oak Ridges Moraine Conservation Act, 2001 and in several other intriguingly titled statutes or regulations made pursuant to those statutes. Section 8 of the Pawnbrokers Act states that pawnbrokers shall not "carry on business as a pawnbroker on Sunday, Good Friday, Christmas Day or any day appointed by proclamation of the Governor General or the Lieutenant Governor as a public holiday, or on any other day before eight o'clock in the morning or after eight o'clock in the evening." Reg. 275 of the Drainage Act sets out that no trials shall take place and no motions may be heard regarding Drainage Act matters during the Christmas vacation unless the parties or the referee



## NANCY MCCORMACK

## Books and Bytes

(appointed pursuant to the Drainage Act) consent. One wonders what special interests must have been involved in drafting that provision.

What caught my eye was the amount of legislation related to Christmas trees and Christmas tree farms. Some are of peripheral interest. For instance, the Oak Ridges Moraine Conservation Act, 2001, specifically defines "woodland" as "a treed area, woodlot or forested area, other than a cultivated fruit or nut orchard or a plantation established for the purpose of producing Christmas trees." Then there's the Environmental Protection Act – O. Reg. 101/94; it defines "leaf and yard waste" as waste consisting of natural Christmas trees and other plant materials but not tree limbs or other woody materials in excess of seven centimetres in diameter." The Pesticides Act, Reg. 914 deals with agriculture licences required to use pesticides in Christmas-tree production.

More pertinent to those who buy a Christmas tree to take home is the Farm Products Grades and Sales Act. It has an entire regulation (Reg. 337) on how trees must be graded. A Christmas tree is defined as "a tree, whether sheared or unshaped, that is, (a) sold, offered for sale or intended to be sold severed from its root system and with its bark, branches and

foliage mainly intact, and (b) of the coniferous species." The word "clean" in this regulation means "almost entirely free from moss, lichen growth, vines or other foreign material which detracts from the appearance of the Christmas tree." "Defects" are defined as including "one or more of the following conditions or any variation thereof:"

1. A decided gap or abnormal space between whorls of branches.
2. Unduly long branches.
3. Excessively uneven density in any face.
4. Weak branches.
5. Broken branches.
6. A lower whorl, which is barren of needles or branches.
7. An opening in the foliage of considerable size caused by a lack of branches or foliage.
8. A stem whose length above the top whorl of branches is excessively long in relation to the overall height of the Christmas tree.
9. An incomplete whorl of branches.
10. A handle which is not proportionate to the height of the Christmas tree.
11. A curved stem.
12. Multiple stems, either above or below the top whorl of branches.
13. A crow's nest.
14. A goose neck.
15. Galls on the branches in noticeable quantity.
16. An abnormal loss of needles.
17. An abnormal curling of needles.
18. A noticeable presence of dead twigs.

Is there anything worse than being sold a Christmas tree with "an incomplete whorl of branches?" Fortunately, it's an offence in Ontario for sellers to misrepresent the grade of their trees, so, all else failing, you can look to the law for justice in the matter.

For more information on researching statutes, and maybe even on where to buy a Christmas tree, please contact your friendly neighbourhood reference librarian.

Nancy McCormack is reference librarian at the Lederman Law Library.



# As we engage the world, equity, diversity essential

In discussions about our strategic planning initiative, Engaging the World, I have received considerable feedback on the place and importance of equity and diversity as essential ingredients of a future strategic vision for Queen's.

As many members of our community have noted, the diversity within our campus population is greater than at any time in the university's history. This gradual change, influenced by both internal and external factors, has made Queen's a stronger academic and human community. No one will claim, however, that we have "done enough" to engage with the changes in the local, national and international context of the world in which we live and work.

At the core of Queen's mission is a commitment to being a quality leader across all functions of the university – teaching, research and scholarship and service along with a commitment to the abiding values of intellectual integrity, freedom of inquiry and the exchange of ideas, and the equal dignity of all persons. Making purposeful and considered further efforts to encourage diversity at Queen's goes hand in hand with our aspiration to be a leader in the quality of our academic programs.

Educational quality is all about students realizing their potential in a learning environment designed to enhance such development. Such a learning environment gives students the opportunity to meet others from



KAREN HITCHCOCK

## Diversity

the diverse societies within Canada and from the four corners of the world, to hear and learn from new ideas, and to share thoughts and perspectives.

This requires a richly diverse environment that brings faculty members and students together in a community committed to learning in all its forms – outside the classroom as well as inside. I feel strongly that continuing to aim for the greatest degree of openness and inclusiveness within the institution will contribute to the fulfillment of our goals as we strive for quality leadership.

Diversity cannot be dissociated from other values that are fundamental to Queen's: free inquiry, integrity, devoted teaching and passionate learning – diversity and equity are at the core of these values. The goals of diversity and quality are deeply interrelated and need to be addressed together. Queen's students will live and function in an increasingly heterogeneous, complex and internationalized world. Hence, diversity is essen-

tial to a quality learning environment. A campus community that embraces diversity enables students to encounter the most important issues and forms of knowledge critical to their own and to their world's future.

Our goal as we "engage the world" for the future of Queen's is clear: we must remain fully committed to creating and maintaining a climate on campus that is inclusive, equitable, and genuinely civil and tolerant and open to a wide range of perspectives. Expanding the institution's capacity for national and international faculty and student recruitment reflective of Canada's and the world's diversity will surely encourage an even greater exchange of views among students, faculty and staff – ensuring that the Queen's community is a place with a multitude of opportunities to learn from one another. Achieving this goal will not always be easy. We will have to learn to anticipate complicated social issues and the collision of views that can come from living with diversity, and to manage and respond to difficult issues and understand their implications more fully...but working toward this goal will give greater meaning to and strengthen the university's capacity to engage with a world both more complex and more dynamic than we could ever have anticipated just a few decades ago.

Karen Hitchcock is principal and vice-chancellor of Queen's University.

# Benefits of patent literature

A unique and valuable source of scientific and technical information, patent literature is often overlooked and underutilized by academic researchers. This is understandable, given that until recently it was difficult for researchers to access patent information. Few university libraries had patent collections and ordering copies of patents was time-consuming. Arcane patent classification manuals and expensive commercial databases were the only search tools available to researchers.

However, patent information is now readily accessible for free on the Internet. Patent offices in most developed nations, including Canada and the U.S., maintain web-based patent databases containing millions of patent records. The European Patent Office's *esp@cenet* system alone has more than 50 million patent documents from approximately 70 countries, the earliest dating from the mid-19th century.

There are many benefits to consulting patent literature. Patents are international and interdisciplinary, covering innovations in every field of technology during the last 200 years. Patents disclose the research of industrial and private inventors that is not published in scientific journals and proceedings. Patents reveal emerging technologies and new applications for old technologies. Patents bridge the gap between basic research and applied technology. By searching patent literature prior to embarking on a new research project or grant application, one avoids duplicating work that has already been done.

New discoveries and innovations, especially in chemistry,



MICHAEL WHITE

## 'TEQ Talk

biotechnology and materials science, often appear in patents before they are reported in scientific journals. According to the Chemical Abstracts Service (CAS), more than 50 per cent of the new chemical substances added each year to the CAS Registry is obtained from patents rather than scientific articles. This is not a recent development. The discoveries of Karl Ziegler in the 1930s and Giulio Natta in the early 1950s in the field of polymer research were disclosed in patents years before they were published in scientific journals. Leo Baekeland, inventor of Bakelite, the world's first synthetic polymer, filed patent applications in 1907, two years before publishing his research.

Patent literature is also a window onto scientific research in developing countries. In China, university patent filings are increasing at a faster rate than published scholarly articles due, in part, to intellectual property law reform and government policies encouraging domestic innovation and commercialization. In 2004 Chinese research institutes and universities filed 19,000 new patent applications, almost 20 per cent of the total applications

filed with China's patent office. Many of the applications filed in China and other developing countries will become the basis for translated applications filed in developed countries. For example, Chinese, Korean and Taiwanese inventors filed 35,500 patent applications in Canada and the U.S. in 2004-2005. This is a boon to scientists and engineers in North America who might not otherwise have access to this information because of language barriers and the relatively low number of researchers from developing countries who publish in western scientific journals.

With 1.5 million patent applications filed last year and 10-12 million pending applications worldwide, patent literature is a rich, vast and rapidly growing source of scientific and technical information. The proliferation of free web-based patent databases and search tools is making it easier for academic researchers to discover the hidden value of this unique resource.

For more information about searching patents, contact Michael White at 533-6785 or visit the Engineering and Science Library at [library.queensu.ca/webeng](http://library.queensu.ca/webeng).

Michael White is the Librarian for Research Services in the Engineering and Science Library.

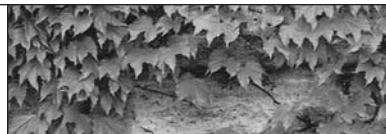
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[www.wipo.int](http://www.wipo.int)

## UNIVERSITY ROUNDUP



### Laureate assails IP reform

A Nobel prizewinner has attacked Cambridge University in England for what he calls its "misguided" plan to reform intellectual property (IP) rights. Cambridge alumnus Sir John Sulston fears the reforms will end the institution's aim of "freely promulgating knowledge." At present, Cambridge owns none of the IP of its tenured academics. Under the proposal, it would own all IP. Academics would then receive a portion of the profits, depending on the part they play in exploiting their discoveries. The university's 3,000 scholars are considering the reforms in a ballot with a decision expected this month. "The mark of a good university, rather than a money-grabbing institution, is one that realizes that lecture materials and research should be in the public domain," says Sir Sulston. "Cambridge's proposals would amount to lumping all IP together and the university exploiting its academics' ideas as far as possible. This is the wrong way to go." Until now, academics have seen Cambridge as a bastion of freedom in terms of its IP rules. Most universities own their academics' IP but give them a share of the revenue made from an invention or discovery.

*The Times Higher Education Supplement, Nov. 25*

### And laptops for all

If Nicholas Negroponte has his way, the pale light from rugged, hand-cranked \$100 laptops will illuminate homes in villages and townships throughout the developing world, and give every child on the planet a computer of their own by 2010. The MIT Media Lab and *Wired* magazine founder unveiled the first working prototype of the "\$100 laptop" at the recent U.N. World Summit on the Information Society in Tunisia. With its cheery green coloring and Tonka-tough shell, the laptop boasts a seven-inch screen that swivels like a tablet PC, and an electricity-generating crank that provides 40 minutes of power from a minute of grinding. The machine is expected to start mass production late next year, and the governments of Thailand and Brazil have already said they're serious about placing \$1 million orders for their school kids. Others are close to lining up.

[www.wired.com](http://www.wired.com), Nov. 17

### Microsoft takes on supercomputing

In its first major foray into academic supercomputing, the Microsoft Corporation has announced that it will pay for a new Institutes for High-Performance Computing at 10 universities around the world. Company chair Bill Gates told a supercomputing conference in Seattle that joint research projects at the institutes would help guide software research and development at Microsoft. The universities involved are Cornell University, the universities of Tennessee, Texas at Austin, Utah and Virginia; Nizhni Novgorod State University, in Russia; Shanghai Jiao Tong University, in China; the Tokyo Institute of Technology, in Japan; the University of Southampton, in England; and the University of Stuttgart, in Germany. Microsoft and other software makers must take steps to reduce the "Time to insight" – the amount of time it takes a scientist to get useful results from a supercomputer, says Mr. Gates. "If you're a scientist who wants to gather a lot of information, computer around that information, look into that information, how can we make all the steps involved there far more efficient than we are today?"

*The Chronicle of Higher Education, Nov. 25*

### Chinese kick exchanges up a notch

For a job that didn't exist a year ago, Liselyn Adams says the post of vice-provost, international relations at Concordia University in Montreal, is keeping her hopping. Earlier this fall she went to China as part of a Quebec delegation and came back excited by the challenging expectations of the Chinese. In Shanghai, educators have grown critical of the standard "two-plus-two" program, in which Chinese students complete a foreign degree through two years of study at home and then two abroad. The feeling is that these programs are not always to the advantage of the Chinese institutions. "Partnerships are also moving away from language training and information technology, because these are plentiful," Ms. Adams says. They are encouraging more programs in areas such as genomics, biology and teacher training. Shanghai education officials want to know about our strongest university programs in order to invite strategic partnerships.

*Concordia Journal, Nov. 10*

### Concerns about WebCT

It may not have rattled the stock market, but the recent purchase of WebCT by Blackboard Inc. has raised unsettling questions in the academic community. These two U.S. companies provide some 3,700 educational institutions around the world with their proprietary "courseware" – software that has become the technological centrepiece of many university classrooms. Courseware provides a single computer platform for managing a wide range of activities. Christian Blanchette, director of the University of Ottawa's teaching and learning support service, says he is counting on Blackboard Inc.'s promise of the same level of support they are used to for WebCT while the merger is proceeding.

*University Affairs, December*

Compiled by Celia Russell



## IN BRIEF

Math,  
physiology  
profs win ERAs

Two Queen's professors are the recipients of provincial Early Researcher Awards (ERAs).

Andrew Lewis (Mathematics and Statistics) is being funded for his project on Mathematical Control Theory for Difficult to Control Mechanical Systems. Martin Paré (Physiology) will use his funding toward research on the Neural Basis of Visual Behaviour.

In addition to \$100,000 from the Ministry of Research and Innovation, ERA winners each receive \$50,000 from their own institutions.

Originally called the Premier's Research and Excellence Awards when it was created in 1998, the ERA program helps Ontario's world-class researchers attract talented people to their teams and encourages innovation. Projects range from health sciences to information and communications technology, and to developing new materials for industry.

Computing  
conference  
calls

The deadline for call for papers and posters for the first Canadian Student Conference on Biomedical Computing (CSCBC) is fast approaching.

To be held at Queen's next March, the student-run initiative involves both graduate and undergraduate students in the biomedical computing area from universities across Canada. It will involve keynote speakers, a panel discussion with industry representatives and a round-table discussion on future opportunities in this field.

Deadline for conference papers is Dec. 20, and posters by Jan. 15. For details, see

[cscbc2006.cs.queensu.ca/asset/s/documents/CallForPapers.pdf](http://cscbc2006.cs.queensu.ca/asset/s/documents/CallForPapers.pdf)

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STEPHEN WILD

Award-winning researcher Jill Scott (German Language and Literature) combines comparative literature and German studies with feminist theory, history and psychology in her study of mourning and forgiveness.

## In search of forgiveness, post 9/11

GERMAN PROFESSOR  
WINS NATIONAL  
AWARD FOR  
INNOVATIVE RESEARCH  
PROGRAM

By NANCY DORRANCE

German Language and Literature professor Jill Scott is the 2005 winner of one of Canada's top new awards for up-and-coming researchers.

Dr. Scott received the SSHRC Aurora Prize, awarded annually by the Social Sciences and Humanities Research Council (SSHRC), at a recent ceremony in Vancouver. She intends to use part of her \$25,000 prize to fund an interdisciplinary seminar on creativity and conflict resolution.

Combining comparative literature and German studies with

feminist theory, history and psychology, Dr. Scott's research aims to develop models of mourning that include forgiveness as a logical next step. She will look at literature, film and photography from Franz Kafka to Sylvia Plath, and from Quentin Tarantino's *Kill Bill* to Bob Fleming's photography of post-war Germany. As well, she will consider cultural responses to the South African Truth and Reconciliation Commission and 9/11.

"I'm interested in exploring the communication of forgiveness as an alternative to revenge and retaliation," says Dr. Scott. "How does communication itself function as a form of reconciliation? Can we actually speak ourselves into forgiveness in spite of – or maybe because of – our resentment?"

The seminar that she is planning will bring together students, faculty and people outside the university who are working on

creative projects in the areas of forgiveness, reconciliation and conflict resolution. It will culminate in an art exhibit, a symposium and many other forums for productive debate, with discussion extending far beyond the confines of the university.

**"My dream is to involve others in this project."**

Jill Scott

"My dream is to involve others in this project and engage the wider community in a meaningful way," Dr. Scott says. "To be human is to have the capacity for creativity. I believe that it is our duty to harness this creativity to solve large problems."

Launched in 2003, the Aurora Prize is awarded to a researcher

who has demonstrated excellence, originality and talent in research; has proposed an innovative and compelling program of research with the potential to enrich Canadian society; and has demonstrated exceptional ability and commitment in communicating the results of his or her research to both the academic and other communities.

Also recognized at the recent award ceremonies was Richard Lipsey, a professor emeritus of Simon Fraser University and former Queen's professor, who received the \$100,000 SSHRC Gold Medal for his groundbreaking work in theoretical and applied economics. Valerie Henriuk of Edmonton was named most outstanding SSHRC post-doctoral fellow and Queen's graduate (BSCH '99) Michael Levi, a PhD student currently studying at King's College London, received the William E. Taylor Fellowship.

## Fruit flies provide model for studying human birth defects

By SARAH WITHROW

A study of fruit flies that may revolutionize the way birth defects are studied has identified the genes affected by a widely prescribed drug known to cause birth defects.

Methotrexate (MTX), a popular cancer-fighting drug also used to treat psoriasis, ectopic pregnancies, rheumatoid arthritis, and lupus, lasts a long time in the body and causes birth defects in children from women who have it in their systems. The study of the drug's effect on fruit flies has allowed Queen's researchers including graduate student Joslynn Affleck (Biology) to identify the genes on which the drug acts.

"We hope that through this model system we can provide insight into mammalian birth defects, which may be expected to increase in frequency in the future, due to the recent elevated use of MTX," says Ms. Affleck.

Many of the genes found to be affected by MTX are involved in cell cycle regulation, signal transduction, transport, defense response, transcription, or various aspects of metabolism.

"This study shows that MTX treatment has multiple targets," says Ms. Affleck. "And this provides us with a novel invertebrate model for the study of drugs that cause birth defects."

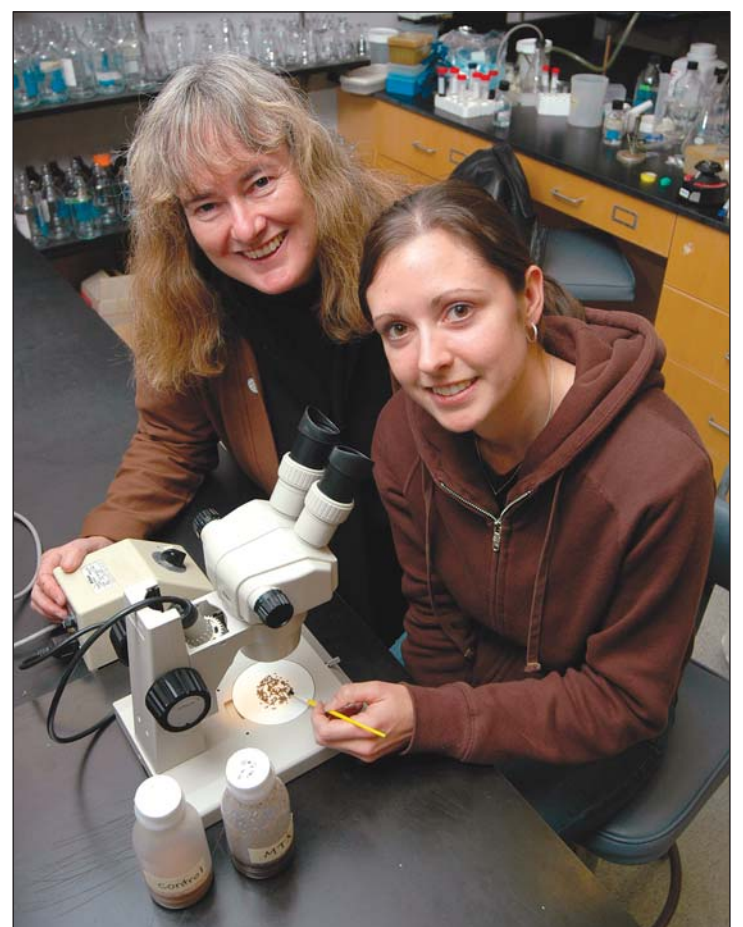
Funded by the Natural Sciences and Engineering Research Council of Canada (NSERC), the study will be published by the journal *Toxicological Sciences* in 2006.

"This is not a journal in the habit of publishing insect studies," notes Biology professor Virginia Walker, who co-authored the study. "The neat thing about this work is that fruit flies treated with this drug show 'birth defects' that are hauntingly similar to birth defects in human babies. Babies have bent limbs, tufts of hair and bulging eyes and the fruit flies have bent legs (and wings), tufts of bristles and rough eyes."

While identifying this gene array is significant in its own right, the successful use of fruit flies in this kind of study is a revelation to the researchers who view it as an efficient model for the initial testing of "rescue" therapies to try to prevent birth defects.

Scientists can study the effect of the drug on the genes of as many as three generations of fruit flies in a month using readily available scientific tools, speeding up study times while keeping costs low.

"It also adds to the growing list of roles fruit flies can take," says Dr. Walker. Fruit flies are already used as models for aging, neural disease and cancer.



STEPHEN WILD

Biology researcher Virginia Walker and graduate student Joslynn Affleck have identified the array of genes affected by a cancer-drug using fruit flies.



## Shell Canada fuels TEAM project

Shell Canada has donated \$400,000 to power Technology, Engineering and Management (TEAM) at Queen's for the next three years.

The TEAM Project empowered by Shell will help build stronger relationships between Shell employees and Queen's faculty and students, Cathy Williams, Shell Canada chief financial officer and Queen's alumna said at the presentation that took place recently in Calgary.

"It's a win-win situation: the students gain practical experi-

ence in their field of study and Shell gets to meet top-notch prospective recruits."

The TEAM program is part of the newly designed Integrated Learning curriculum. It is open to students from the Faculty of Applied Science, the Queen's School of Business and the Environmental Studies, Economics and Life Science programs. The program allows upper-year students to experience working in multi-disciplinary teams on actual projects for industrial clients. Students learn innovative

thinking, problem solving and business analysis.

"Doing a TEAM project was a great experience and the highlight of my undergraduate studies at Queen's," said electrical engineering student Dafu Zhang. "I got to apply the engineering skills that I learned in school to a real life project in industry, and through this, was able to link project management with technical knowledge and engineering economics. I believe the TEAM project is an excellent chance for undergraduate students to grow

academically and professionally. I am very proud to have been part of this project and I am very grateful for Shell Canada's generous support of TEAM."

Tom Harris, dean of the Faculty of Applied Science, noted, "The TEAM program is a special experience for Queen's students. They have the opportunity to develop important skills in an environment that is not easily replicated within the university. We very much appreciate the support of Shell Canada Limited."

## IN BRIEF

### United Way tops goal

Queen's has broken the United Way thermometer. The university community has raised \$282,000, surpassing its goal of \$265,000. Donations are still being counted.

The Queen's campaign makes up nearly 12 per cent of the total regional goal. The Kingston, Frontenac, Lennox & Addington United Way campaign has also surpassed its goal of \$2,385,000, raising \$2,445,000 so far.

There is still time to donate. Visit [www.queensu.ca/unitedway](http://www.queensu.ca/unitedway). United Way committee members Bonnie Cuddon, Dave Hanes, Dan Norman, Jeanette Parsons, Ken Lowe, Zahra Valani and Homan Cheng thank those who have given so far, making the university, once again, the largest contributing workplace in the region.

### QUSA wants to hear from you

Whether you're a member or not, Queen's University Staff Association (QUSA) wants your input on a salary and benefits survey recently mailed to all non-unionized staff members.

To date, QUSA has received 460 completed surveys from staff indicating their priorities. Feedback is a vital consideration in negotiations between QUSA and the university in establishing a salary and benefits agreement that addresses the needs of staff. QUSA asks that surveys be returned to QUSA, 235 John Deutsch University Centre, attention: Sheri Foster by Thursday, Dec. 15. Only QUSA members can provide input regarding salary and benefits agreements and to vote on these agreements. Those wanting to join can fill out the form that came with the survey or contact the QUSA office at 533-2215.

Members should note that a survey will be emailed shortly with regard to the current format of the QUSA Courier. Feedback is welcome on this and any other matter of concern. [www.queensu.ca/qusa](http://www.queensu.ca/qusa)

### Know a great student writer?

The National Magazine Awards Foundation (NMAF) and Department of Canadian Heritage announce the launch of the first annual National Magazine Award for Best Student Writer.

It aims to recognize excellence in the content and creation of Canadian magazines through an annual program of awards and until recently, emphasis has been placed on those already accomplished in the industry. Full-time, post-secondary student writers are encouraged to submit a non-fiction article published in a Canadian consumer magazine or university publication in the 2005 calendar year.

Entries will be accepted online to Feb. 1, 2006. A bilingual judging panel will select three finalists from all entries. Each finalist will receive two tickets to the awards gala in Toronto on June 9, 2006 where the Best New Writer winner will be announced. Each finalist will also receive a National Magazine Awards certificate and the overall winner will receive a cash prize of \$1,000. Details: [www.magazine-awards.com](http://www.magazine-awards.com)

## New education letter reaches out to community

The Faculty of Education wants to engage educators and the public in a discussion of current educational issues.

As part of this initiative, it recently launched the biannual Queen's Educational Letter, with the aim of making accessible the ideas and research of prominent scholars on compelling topics.

Conceived by Dean Rosa Bruno-Jofré, the new publication features leading educators and prominent scholars communicating research in an engaging and readable manner to the public.

"Faculties of education should be active protagonists in stimulating the community of educators and the public-at-large to reflect upon current and compelling topics in education," says Dean Bruno-Jofré. "The Queen's Education Letter also represents a means for our public institution to fulfill its social responsibility to reach out to alumni as an expression of gratitude for their continuing support."

The first letter is dedicated to the theme of human rights in education. The next will deal with the theme of information and communication technologies in education.

Relevant illustrations by Joanne Gervais, a Canadian artist known for her theme paintings



School's Out is one of the illustrations by artist Joanne Gervais that appear in the Queen's Education Letter.

of children, sports, and historical cityscapes, add a colourful dimension to the newsletter.

The plan is to distribute the letter freely through local school boards, educators' unions,

libraries etc. It is also online on the faculty website. [educ.queensu.ca](http://educ.queensu.ca)

## STELLAR STAFF



STEPHEN WILD

Principal Karen Hitchcock presented the 15th-annual Special Recognition for Staff Awards at the Principal's Holiday Reception Dec. 1 at Grant Hall. Front row, from left are Lee Atkinson (Drama), Janet Cowperthwaite (University Secretariat), Jill Moore (Psychology), Diane Nolting (Health Counselling & Disability Services) and Teresa Smith (Classics). Back row, from left: Tom Bradshaw, Ben Hall, Dave Dove, Principal Hitchcock Richard Linley and Gary Powley (School of Computing Technical Support Team). For a 15th-anniversary feature, see page 10.







# Tackling Christmas mathemagics

*The 12 Days of Christmas* is a seasonal song that many of us learned in the school choir years ago, but how many of us knew that it was the key to many mathematically-rich learning opportunities? The song begins on day one, with the character in the song getting a single present (a partridge in a pear tree). On day two, she receives a new present (a pair of turtle doves) plus another partridge in a pear tree. Day three brings a second helping of day two's gifts, plus more new items (three French hens). By the 12th day, the recipient has received 12 drummers drumming, and new copies of all the previous day's gifts.

Here's your first challenge: How many items? French hens, golden rings, and drummers drumming? accumulate by the end of the 12th day in the song?

First, we must know what the gifts are on each day. According to the song, the gifts are:

- A Partridge in a Pear Tree,
- Two turtle doves,

- Three french hens,
  - Four calling birds,
  - Five gold rings,
  - Six geese a-laying,
  - Seven swans a-swimming,
  - Eight maids a-milking,
  - Nine ladies dancing,
  - Ten lords a-leaping,
  - Eleven pipers piping,
  - Twelve drummers drumming.
- We can begin to count the total number of gifts this way:

On the 1st day she gets 1 gift.  
On the 2nd day she gets 1 + 2 = 3 gifts.

On the 3rd day she gets 1 + 2 + 3 = 6 gifts.

On the 4th day she gets 1 + 2 + 3 + 4 = ?? gifts.

On the 5th day she gets 1 + 2 + 3 + 4 + ??? = 15 gifts.

Can you compute the total number of gifts?

The daily and 12-day totals for the gifts show up in another remarkable math pattern, discovered over a millennium ago and shaped coincidentally like a Christmas tree, Pascal's Triangle, named



LYNDA COLGAN

## Expert Outlook

after the Renaissance French mathematician Blaise Pascal.

Today, Pascal's Triangle has a wide range of uses in probability theory, fractals, calculus, and many other areas of math. Pascal's triangle contains an astounding bag of mathematical tricks that includes more than one holiday connection.

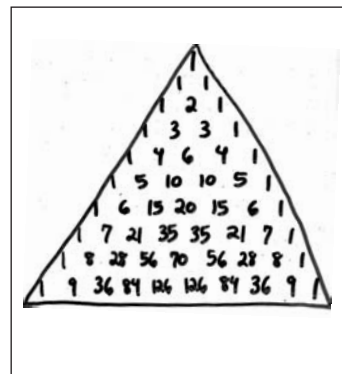
In simple terms, Pascal's Triangle can be constructed in the following manner. On the first

row, write only the number 1. Then, to construct the elements of following rows, add the number directly above and to the left (if any) and the number directly above and to the right (if any) to find the new value. For example, the numbers 1 and 3 in the fourth row are added to produce 4 in the fifth row. The number 10 is the sum of the two numbers in

the previous row diagonally above it, 4 + 6. Your job is to fill in all the missing numbers using Pascal's rule.

As you fill in the triangle, you may see some numerical patterns that you've seen before in the *Twelve Days of Christmas* puzzle. Can you find a diagonal in Pascal's Triangle that indicates the numbers of new gifts given on the consecutive days? Can you find a diagonal of Pascal's Triangle that indicates the combined gifts given on the consecutive days? Can you find a diagonal of Pascal's Triangle that indicates the total number of gifts given?

Isn't it mathematical that a simple song like "The Twelve Days of Christmas" can open the doors into the rich patterns of mathematics during the holiday season?



LYNDA COLGAN

Pascal's Triangle

Lynda Colgan is an associate professor in the Faculty of Education. This column is excerpted from one that originally appeared in the Kingston Whig-Standard on Dec. 7.

# Experts address sexual harassment, the federal election campaign and depression

## QUEEN'S IN THE NEWS

Highlights of Queen's experts in the media

Nov. 23 - Dec. 6



Ascough



Craig



Fortier



James



McKeen



Rose



Walker



Wong

**David Walker** (Health Sciences) comments in the *Globe and Mail*, *National Post*, *Ottawa Citizen*, *Windsor Star*, *Edmonton Journal*, *Victoria Times-Colonist* and *Regina Leader Post* about the need for more scientists and lab workers to investigate major health crises.

**Jonathan Rose** (Political Studies) discusses the Liberals' second wave of TV advertisements in the *Globe and Mail*, Harper's GST announcement and issues that will be on the minds of local voters during the federal election campaign in the *Kingston Whig-Standard*, and election marketing on CBC TV's *Canada Now*.

Professor emeritus **Ned Franks** (Political Studies) comments in the *Globe and Mail* about the possible defeat of the federal government, in the *Ottawa Sun* about Liberal spending in the face of an election campaign, and on the front page of the *Kingston Whig-Standard* about minority governments.

**Ken Wong** (Business) comments in the *Globe and Mail* about CEOs marketing their own products and in the *Toronto Star* about the branding strategy behind a series of romance novels focused around NASCAR. His induction into the American Marketing Association Hall of Legends in the Mentor category is reported in the *Globe and Mail* and *Kingston Whig-Standard*.

**Tom Axworthy** (Policy Studies) is quoted in the *Globe and Mail* about the need for reform in the public service and his opinion piece about human trafficking appears in the *National Post*.

**Carol McKeen** (Business) comments in the *Globe and Mail* about why women students are leaving business programs.

**Joe Pater** (NCIC) discusses clinical trials for the breast cancer drug Herceptin in the *Globe and Mail*.

**Douglas Reid** (Business) comments in the *Globe and Mail* about labor compensation in the airline industry.

**Kate Harkness's** (Psychology) latest depression study indicating that mildly depressed people are more in tune with other people's feelings is highlighted in the *National Post*, *Calgary Herald*, *Edmonton Journal*, *Toronto Sun*, *Vancouver Sun*, *Kingston Whig-Standard* and she is interviewed about the research on CBC Radio's *Ontario Morning*.

**Wendy Craig's** (Psychology) recent study on sexual harassment of secondary school students is highlighted in the *National Post*, *Toronto Sun*, *Montreal Gazette*, *Vancouver Sun*, *Cornwall Standard-Freeholder*, *Kingston Whig-Standard*, *Windsor Star* and *Saskatoon Star Phoenix*.

**Kim Nossal** (Political Studies) is quoted in the *National Post* and *Ottawa Citizen* about the responsibilities agenda of Canada's International Policy Statement.

**John McHale** (Business) comments in the *Toronto Star* about the need for public policy to improve productivity in Ontario.

**Virginia Walker's** (Biology) latest breakthrough in birth defect research continues to receive coverage, most recently in the *Toronto Sun*.

**William James** (Religious Studies) comments about religious Christmas traditions in the *Ottawa Citizen*. He also discusses politically correct holiday trees in the *Kingston Whig-Standard* and the tree Nova Scotia presents Boston as a gift on CBC Radio's *The Current*.

**Richard Ascough** (Religious Studies) is interviewed by the *Ottawa Citizen* about the significance of the star and shepherds in the original manger scene.

**Sean Conway** (Policy Studies) comments about the upcoming election in the *Ottawa Citizen* and *St. Catharines-Niagara Standard*.

**Robin Boadway** (Economics) comments about changes to the GST in a *Canadian Press* story that is carried by the *Hamilton Spectator*, *Vancouver Sun*, *Prince George Citizen*, *Penticton Herald* and *Peterborough Examiner*.

**Jean Cote's** (Physical Health and Education) recent study that shows more professional hockey players come from small towns continues to receive coverage, most recently in the *Winnipeg Free Press*.

**Matthew Thomson** (Business) discusses brand allegiance in the *Kingston Whig-Standard*.

Former Vice-Principal (Academic) and new NSERC president, **Suzanne Fortier** (Chemistry), is profiled in the *Kingston Whig-Standard*.

**John McHale's** (Business) opinion piece about the global race for talent appears in the *Wall Street Journal*.

**Paul Paton** (Law) appears on ROBTV discussing legal ethics and the Conrad Black trial.

## Business forecast continued from page 1

said Professor Wong. "Publicly funded initiatives may provide a base for reasonable performance over the short term. But the fundamentals for longer-term prosperity - population growth, commercial and industrial tax base, age distribution of the population - are not supportive.

"We have very little growth in commercial taxes. Seventy-five per cent of the tax base is residential."

Local population growth is only one-quarter of the national average, added Professor Wong, pointing to a projected 2006 increase of only 1.2 per cent in the key 20-64 age group. The

projected population increase for the 65-plus group is 9.3 per cent.

"Kingston risks becoming known as a town to die in - not a town to die for."

This boils down to higher individual taxes and increased municipal debt, which support a crumbling city infrastructure inherited by the current city council.

What is needed, he says, are facilities such as an LVEC and ice pads to attract new companies with young employees.

"We need to spend these higher taxes on something that will be a catalyst for further development. Without recreational

and family-oriented facilities here, companies do not want to locate to Kingston. It must be seen as a place to raise a family."

Professor Wong's colleagues were more cautiously optimistic with their national projections.

In his outlook for the Canadian economy, Professor McHale saw economic prospects for 2006 as generally favourable. He predicted real GDP growth would climb by 2.9 per cent in 2006 while the unemployment rate will also climb slightly to 6.6 per cent from its current 6.4 per cent.

He warned, however, of continued volatile energy prices and

steadily rising interest rates, anticipating the business prime interest rate will reach 5.75 per cent by this time next year. The exchange rate is likely to stay in the vicinity of US\$ 0.86 - the highest level it has traded at since 1992.

In her look at financial markets, Professor Purda also stressed increasing interest rates. She felt stocks would be bolstered by continued economic growth in both the U.S. and Canada, aided by strong consumer spending in light of recent wage increases. However, she cautioned, gains will be tempered by rising inter-

est rates.

Professor Reid's business strategy outlook suggested securing growth would remain the big challenge for 2006. He stressed poor innovators will be punished by customers seeking lower prices for goods produced offshore, making those companies more liable to takeover by larger enterprises. He also felt that the "sleeping" issue for companies in 2006 will be solidifying supply chains and redesigning production systems to prevent damage that systemic uncertainty could bring from gasoline supply problems, pandemics or terrorism.



**Submission information**

Please note that appointment submissions will be edited to address style considerations and length. Submissions should be a maximum of 200 words.

## Bulletin Board

### New Faculty Appointments

Regina du Toit, Psychiatry, Oct. 31, 2005  
Scott Davey, Pathology & Molecular Medicine, Nov. 1, 2005

### Appointments

#### Kim Nossal reappointed head, Political Studies

Principal Karen Hitchcock is pleased to announce that Kim Nossal has been reappointed head of the Department of Political Studies for a five-year term commencing July 1, 2006. Dr. Nossal holds a BA, MA and PhD in Political Economy from the University of Toronto. He taught at McMaster University and was a visiting professor at the University of Toronto, McGill University, and Australian National University in Canberra before coming to Queen's in 2001 as head of Political Studies. Dr. Nossal's research focuses on international politics, and in particular Canadian and Australian foreign policy. His latest project compares Australian and Canadian approaches to humanitarian intervention. Dr. Nossal is currently the president of the Canadian Political Science

Association. He is past-president of the Australian and New Zealand Studies Association of North America and is a member of the Security and Defence Forum selection committee of the Department of National Defence.

### Awards and Grants

#### Ontario Thoracic Society/Ontario Lung Association

The Respiratory Group at Queen's invites applications for respiratory research in both basic and clinical fields. The funds are mainly intended for use as seed money for pilot projects, but are also available for interim funding. Applications should be received by February 8, 2006. The maximum research grant would generally not exceed \$10,000. Information may be obtained from Dr. D.E. O'Donnell, Kingston General Hospital, at 548-2339.

### Committees

#### Principal's Advisory Committee for the Queen's National Scholars Competition 2005/2006

Principal Karen Hitchcock announces the composition of the Principal's Advisory Committee for the selection of Queen's National Scholars. The membership of the Committee is as follows: Brenda Brouwer, Anatomy and Cell Biology; Irène Bujara, Acting University Advisor on Equity; Cathleen Crudden, Chemistry; Fiona Kay, Sociology; Rebecca Luce-Kapler, Education; Patrick O'Neill, German; Ethan Rabadoux, AMS Presi-

dent; Christine Sypnowich, Philosophy; David Thomas, SGPS President; Mark Walters, Law; Les Monkman, Special Advisor to the Principal (Chair), and Christine Berga, Office of the Principal (Secretary). The committee will review and provide advice on the applications received by the principal. Faculty offices will be notified of the principal's decisions no later than Jan. 30.

### Human Resources

#### Milestones

Compiled by Faye Baudoux  
If you have a milestone of five, 10, 15, 20, 25, 30, 35, 40 years or more of continuous service coming up and you do NOT wish your name to be included in the listing, please contact Faye in Human Resources at ext. 77791.  
Congratulations to those who reached the following milestones in December:

**15 years:** Meave McLatchie, School of Policy Studies; Lauren Sharpe, Integrated Learning Centre.

**10 years:** Shirley Roth, School of Music.

**Five years:** Kim Akerblom, Institutional Research and Planning; Myrna Horton, Development & Business Relations; Brian Secker, Faculty of Education; Lee Sheahan, School of Medicine; Murray Skeggs, Campus Security; Ruiyao Wang, Chemistry.

#### Employee Assistance Program

For off-campus professional counselling call toll-free: 1-800-387-

4765 (français 1-800-361-5676). This service can be reached 24 hours a day, seven days a week. Further information is available on the following website: [www.queensu.ca/eap/](http://www.queensu.ca/eap/)

### December holiday closing

University operations for most (but not all) departments will close at noon, Friday, Dec. 23 to allow a slightly longer shutdown than what was scheduled for this year. The afternoon of Dec. 23 is considered a half day of shutdown. Regular university operations resume Tuesday, Jan. 3, 2006.

For details on job opportunities, employee development, human resources policies see the Human Resources website at [www.hr.queensu.ca](http://www.hr.queensu.ca)

### In Memoriam

The following employees have recently passed away:  
**Edward Pearce** (Oct. 3), Member of Queen's Community since Jan. 1, 1990, Formerly Development, Planned Giving

**Shirley Francis** (Oct. 16) Member of Queen's Community since Apr. 15, 1966, Formerly Office of Space Planning

**Alastair Taylor** (Oct. 15) Member of Queen's Community since Sept. 1, 1960, Formerly Geography

**Johannes Colpa** (Nov. 10) Member of Queen's Community since Sept. 1, 1969, formerly Chemistry

**Todd Sweeney** (Nov. 11) Member of Queen's Community since Aug. 9, 1971, Formerly Parking

**Eileen McCafferty** (Nov. 29) Member of Queen's Community since Jan. 1, 1967, Formerly Residence Operations

### PhD Examinations

Members of the regular staff at the university may attend PhD oral thesis examinations.

#### Monday, Dec. 12

**Hamidreza Saligheh Rad**, Electrical & Computer Engineering. Space-Time-Frequency Characterization of MIMO Outdoor Radio Propagation Channels. Supervisor: S. Gazor, 302 Walter Light Hall, 1:30 pm.

#### Tuesday, Dec. 13

**Andrew Han**, German. Deification and Invective in Heinrich Heine's Satirical Prose. Supervisor: D.V. Pugh, 302 Kingston Hall, 9:30 am.

#### Wednesday, Dec. 14

**Byongcheon Yang**, Geological Sciences & Geological Engineering. Sedimentation and Stratigraphic Preservation in Wave-Dominated Tidal Flats: Southwestern Coasts of Korea. Supervisor: R.W. Dalrymple, M100A Miller Hall, 9:30 am.

#### Thursday, Dec. 15

**Javier Salgado Ortiz**, Biology. Breeding Ecology of a Tropical Resident Warbler: Assessing The Effects of Weather, Food Abundance and Nest Depredation.

## BIostatistician

Dept. of Community Health and Epidemiology

The Department of Community Health and Epidemiology invites applications for a tenure track position as a biostatistician at the level of Assistant Professor. The appointee will be expected to develop a successful program of independent research in the field of biostatistics and teach at both the undergraduate and graduate levels.

Candidates should: hold a Ph.D. in biostatistics, statistics or equivalent; have a track record of excellent research in biostatistics and demonstrated potential for research leadership in biostatistical methods; and have the potential for excellence in teaching with a demonstrated ability to communicate effectively with faculty and students. Previous experience in health research will be an advantage.

The Department of Community Health and Epidemiology has strong programs of research in population health, health services and policy, and clinical trials. There are outstanding opportunities for collaboration both within the department and with the many other units across the University. Queen's is currently developing plans for a new Institute and School of Population and Public Health which will offer additional opportunities for collaboration in future.

Academic rank and salary will be commensurate with qualifications and experience. Academic faculty at Queen's are governed by a collective agreement between the Queen's University Faculty Association and the University, which is posted at [www.queensu.ca/qufa](http://www.queensu.ca/qufa).

The University invites applications from all qualified individuals; however, Canadians and permanent residents will be given priority. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity.

Please reply with curriculum vitae, a description of research interests, a statement on teaching or a teaching dossier, and list of three potential referees, including names and full addresses, to:

Dr. Bill Mackillop, Department Head  
Community Health and Epidemiology  
Abramsky Hall, Queen's University  
Kingston, Ontario, Canada, K7L 3N6

Review of applications will commence on January 3, 2006 and continue until the position is filled.



Decorated for Christmas! Ready for Visitors!

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B&B Charm with Hotel Amenities

HS Wireless. Private Baths. Free parking.

Full Breakfast. Ideal downtown location.

Open Christmas thru New Year's

544-0422 [www.paintedladyinn.on.ca](http://www.paintedladyinn.on.ca) 181 William St.

### INTRODUCTION TO

## Teaching English as a Second Language Course



**NEW!** Come to an information session to learn about this introductory course in teaching English as a Second Language!

**Information session:**  
Tuesday, Jan. 10, 7-8 pm  
Chernoff Hall, Room 202  
Queen's campus

#### DATES AND TIME

Tuesdays and Thursdays, 7-9 pm  
January 31 - March 16  
(excluding February 21 and 23)

#### COST

\$420 including materials

#### FOR MORE INFORMATION CONTACT

Queen's University  
School of English  
96 Lower Albert Street  
Kingston, Ontario  
533-2472  
533-6809 Fax  
[soe@post.queensu.ca](mailto:soe@post.queensu.ca)  
[www.queensu.ca/soe/](http://www.queensu.ca/soe/)



REGISTRATION DEADLINE: JANUARY 20



Supervisors: R.J. Robertson, P.P. Marra, 3112 BioSciences Complex, 1:30 pm.

**Baktygul Ismailova**, Education. Socio-Cultural, Economic and Political Influences on Choice of Medium of Instruction: The Case of Kyrgyzstan. Supervisor: E. Krugly-Smolska, A115 McArthur Hall, 1:30 pm.

**Friday, Dec. 16**

**John Francis Douglas Varty**, History, Growing Bread: Technology, Environment and Modern Wheat at The Dominion Grain Research Laboratory, Canada, 1912-1960. Supervisor: I.G. McKay, E229 Mackintosh-Corry Hall, 2 pm.

**Monday, Dec. 19**

**Kareem Emile Baddour**, Electrical & Computer Engineering. Simulation, Estimation and Prediction of Flat Fading Mobile Wireless Channels. Supervisors: P.J. McLane, N.C. Beaulieu, 428 Walter Light Hall, 2 pm.

**Zhongming Ye**, Electrical & Computer Engineering, Topology and Control of High Frequency Resonant Inverter Systems. Supervisors: P.K. Jain, P.C. Sen, 302 Walter Light Hall, 2 pm.

**Tuesday, Dec. 20**

**Jun Wan**, Physics. Dynamic Localization in Electronic Systems and Optical Waveguide Arrays. Supervisor: M.M. Dignam, 201 Stirling Hall, 9:30 am.

**Surplus Items**

**Mining & Engineering**

Model #4504MP8 Ultra Micro Balance (Sartorius), which has an electrical weighing range of 120 mg. The readability is 0.1 µg (10<sup>-7</sup> g). It is equipped with a built-in calibration weight of 100 mg. And an additional built-in set of weights of 3.9 g can be dialled in increments of 100 mg. This balance also features a data output/data input plus a motorized pan extractor/reactor that is operated by hand or foot switch. Details: Wanda Badger at ext.77137 or email wanda.badger@mine.queensu.ca.

**Biology**

Basil model 3500 cage/bottle washer purchased in 1992, maintained since purchase by vendor (Steris). Machine is in excellent operating condition. Vendor has placed a value of \$15,000.00 on this unit. A new one costs \$50,000.00. For information or to view call John Topping at ext. 36137. Submit sealed bids marked Department of Biology to Fran Lanovaz, Purchasing Services by 4 pm Monday, Dec. 19. Please mark all bids confidential.

Queen's University is not responsible in any way for the condition either of any item(s) it has made available or for any damage or injury that may occur due to use or removal of the item(s). Queen's University reserves the right to reject any or all bids. Only successful bidders will be notified.

**Calendar**

**Art**

**Agnes Etherington Art Centre**

University Avenue at Bader Lane Current exhibitions include: Record Keeping, Sarindar Dhaliwal. The Davies Foundation and Contemporary Feature Galleries. To Dec. 18. The imitation of the artist. Samuel J. Zacks Gallery. To Dec. 18. <http://www.queensu.ca/ageth/> Upcoming exhibition: Telling Stories, Secret Lives. Contemporary Feature and Samuel J. Zacks galleries, and Etherington House. Jan. 15 – April 30. Telling Stories, Secret Lives is inspired by an upsurge in the use of narrative in contemporary art. [www.queensu.ca/ageth](http://www.queensu.ca/ageth)

**Union Gallery**

Stauffer Library Main Gallery: sim.pa.ti.co, featuring fourth-year BFA students Alexandra Chowaniec and Miranda Urbanski, to Jan. 10. Project room: Working Out, featuring Valerie LaJeunesse. [uniongallery.queensu.ca](http://uniongallery.queensu.ca)

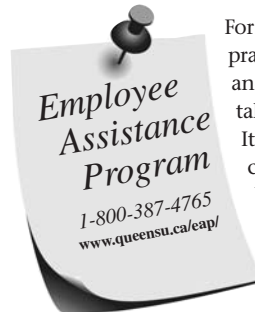
**Courses and Workshops**

**School of English**

Courses for International Graduate Students: Pronunciation Skills: Jan. 17, Feb. 28, 2006, Tuesdays 4 - 6 pm, \$190, registration deadline: Jan. 9. Presentation Skills: Mar. 7 Apr. 11, 2006, Tuesdays 4 - 6 pm, \$190, registration deadline: Feb.

**A Footnote on Health**

**Mind-body balance**



For thousands of years, many Eastern societies have practised techniques to maintain mind-body balance and have understood the link between mental and physical health.

It may have taken Western culture a bit longer to catch up to the ideas of their Eastern neighbours, but the awareness that 'physical health affects the mind, just as the mind influences the body,' has definitely grown into North American culture.

You too can reap the benefits of mind-body balance. And if century-old techniques like yoga or meditation are not your thing, then try a few simple lifestyle changes that can help. You'll feel better and keep yourself at your mental and physical best.

**Check your stress.** Have you built in time for yourself? Taking personal time to relax and re-energize reduces stress and its negative effects on the body such as headaches/ migraines, lower back pain, aches and pains in joints, gastro-intestinal problems, physical fatigue, a weakened immune system, and insomnia.

**Laugh off stress.** When you laugh, a series of positive physiological responses is triggered: blood circulation to the brain and body improves, muscles become more relaxed and your brain releases mood-enhancing endorphins helping you feel more positive and calm.

**Get moving.** Find a physical activity that you enjoy and fit it into your schedule. Physical activity helps to reduce stress and also produces mood-enhancing endorphins that can boost your spirits, concentration and memory. Even 30 minutes of moderate exercise three times a week can make a difference.

**Eat to live.** New studies show that treating your body to a well-balanced diet (low in saturated fats and rich in vegetables, fruit, whole grains and lean proteins) can have a positive effect on mood and greatly improve your mental health.

**Limit alcohol.** People who drink heavily may suffer from physical and emotional fatigue and lose the ability to concentrate effectively. More serious physical complications such as the risk of liver damage, high blood pressure, certain cancers and stroke, all significantly increase in heavy drinkers.

**Stock up on sleep.** Getting a good night's sleep regularly helps keep moodiness at bay, mental focus in check, and allows the body (and its immune system) to rejuvenate.

*Need more information on managing stress and adding balance into your life? Your Employee Assistance Program (EAP) can help. A confidential off-site program available to faculty and staff.*

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- Unlimited Local Calls Evenings & Weekends (6pm)<sup>2</sup>
- Out Of Bundle Minutes 30¢/minute
- Mobile to Mobile Calling included! (within account)
- Call Forwarding, Call Waiting, Conference Call
- Detailed billing included!

**Included Features<sup>3</sup>**

Caller ID and Message Centre Express INCLUDED!

**BONUS<sup>4</sup>**

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Get up to 6 months of unlimited local calling!!!

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**Sanyo 2300 (10-4)**

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**\$0\***

**LG 3300**

The LG 3300 phone offers customizable colour faceplates so you can add a sense of individuality to your mobile phone. The clamshell style phone has a stub antenna design and changeable display controls. The phone allows for recordable voice ringers and up to 4 minutes available for digital voice recording during calls.

**\$0\***

**LG 6200 (camera-phone)**

The LG 6200 is a clamshell style phone with a stub antenna design. The phone allows for recordable voice ringers and up to 3 minutes available for digital voice recording during calls. The integrated camera and camcorder allow you to share your memories with your friends and family. Download games, ring-tones and more with your mobile browser.

For more information, please contact **CBCI Telecom** ([www.cbcitelecom.com](http://www.cbcitelecom.com))

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24. For more information or to register, please contact the School of English 533-2472 or soe@post.queensu.ca. www.queensu.ca/soe

### Departmental Seminar Schedules

**Ban Righ Centre**  
www.queensu.ca/dsao/ind/banrigh/events.htm

**Biochemistry**  
meds.queensu.ca/biochem/index.php/seminar\_series

**Biology**  
biology.queensu.ca/seminars/dss.html

**Business**  
business.queensu.ca/research/conferences/index.php

**Cancer Research Institute**  
meds.queensu.ca/qcri/calendar/index.php

**Centre for Neuroscience Studies**  
queensu.ca/neurosci/seminar.html

**Chemistry**  
chem.queensu.ca/newsandevents/seminars/seminar02w.pdf

**Computing**  
cs.queensu.ca/seminars/

**Economics**  
qed.econ.queensu.ca/pub/calendar/week.html

**GeoEngineering Centre at Queen's - RMC**  
www.geoeng.ca

## STRATHYLINGUA How's your Quebec English?

ae = ē ph = f qu = kw -age = -ij  
oy = oi x = ks dy = j eu, ew = ü  
-ery = i -sm = -zm

In the 1970s, Ruth McConnell wrote a textbook called *Our Own Voice* that introduced methods in dialect studies by taking a comprehensive look at Canadian English across the country. For example, on the west coast, in British Columbia English, vestiges of a European-Aboriginal trade pidgin are preserved, while in Newfoundland, because of the influence of Irish syntax, "You're after being a fool" is a common way to say, "You've just done something stupid."

When she turns to the central provinces, however, McConnell makes no distinction between the English of Ontario and Quebec. She had good reason. Well into the 1970s, there was little to distinguish the English of, say, Montrealers and Torontonians. Montreal Anglos did not have to tune into the French around them, and most did not; they could live entirely in English almost as easily as their friends in Victoria, BC. With the passage of Bill 101 in 1977, the character of English in Montreal, and Quebec at large, gradually began to change. Most of the Anglos who stayed in Quebec after the workplace francisation policies came into effect believed in bilingualism. Many anglophones living and working in Quebec today are proud of their ability to function in French and happy to see their children grow up bilingual. Their new intimacy with the French language has begun to rub off on their English.

Francophone Quebecers know they form a linguistic island in a sea of English. The global tide of English makes them wary of the anglicisms slipping into their French. Anglophone Quebecers, on the other hand, have no fear of their mother tongue being eroded or displaced, so they are not a bit averse to the odd *gallicisme* colouring their English.

Your challenge this week is to translate some *gallicismes* widely used in the English of Quebec into English comprehensible in the rest of Canada. Match the Quebec English regionalisms in the following sentences with appropriate "translations" from the list below.

First, the **animator** asks the children to describe something they really like.

Richard gave a **conference** on arbitration relating to domain names.

They managed to hide the losses in an **annex**.

The **Garderie** Labelle is peanut free.

At the **Caisse pop**, we offer top rates and professional RRSP planning.

The ratio of **allophones** in such institutions has grown steadily.

I stopped in at a **dep** and bought myself a very cold can of beer.

To receive the bulletin, please send us your **coordinates**.

We continue to move toward a **non-confessional** education system.

Some "pur et dur" **independantistes** want to proceed boldly.

The art-filled week closed with a **vernissage** of alumni works at the VAV.

I never thought I would have to open a **dossier** on anti-Semitism in this century.

I did my **stage** at Advantage Communications.

He would desperately like a cigarette to go with his **allongé**.

**credit union, contact info, file, long espresso, appendix, facilitator, placement, secular, separatists, paper, opening, daycare, convenience store, native speakers of neither English nor French**

*Strathy Lingua is created by Janice McAlpine of the Strathy Language Unit, which studies standard English usage and provides an authoritative guide to correct written and oral communication for English within Canada. The solutions to the puzzle may be found at www.queensu.ca/newscentre. Sadly, we must announce that this is the last puzzle in this series. We would like to thank Janice McAlpine for her creative, challenging and entertaining contributions, which have livened up the back pages of the Gazette for the last several months.*



## Send your nominations today for the 2006 ALUMNI AWARD FOR EXCELLENCE IN TEACHING

The Alumni Award for Excellence in Teaching is given to a Queen's professor who, in the view of his/her students and colleagues, demonstrates a love of teaching and a commitment to students.

The award recipient receives a statuette and \$5,000. The cheque is presented at Spring Convocation and the statuette is presented at the Queen's University Alumni Assembly in September.

For further information or nomination forms, please contact:

**Nikki Remillard**  
Department of Alumni Relations  
and Annual Giving,  
Tel: 533-6000 ext. 78691  
nikki.remillard@queensu.ca  
www.alumni.queensu.ca

Deadline for nominations is **27 January 2006**.

## BLASER'S PHYSIOTHERAPY



Best Wishes for a  
*Happy Holiday Season*

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Ceramic	Accessories	

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**Geography**  
geog.queensu.ca/seminars.html

**Human Mobility Research Centre**  
www.hmrc.ca

**Law**  
law.queensu.ca/Visitors/index.php

**Pharmacology/Toxicology**  
meds.queensu.ca/medicine/pharm/

**Physiology**  
meds.queensu.ca/medicine/physiol/physiol.sem.html

**Policy Studies**  
www.queensu.ca/sps/calendar/week.htm

**Physics, Astronomy, and Engineering Physics**  
physics.queensu.ca

study examining the effects of menopause on breathing, blood acidity, and bone health. This Physical and Health Education study involves 2 laboratory visits over approximately one month. For more information contact Megan Preston at 533-6284 or email menopause\_study@hotmail.com.

## Submission information

Submit Calendar items in the following format:  
*date, department, speaker's name and affiliation, title of lecture, place, time, and cost if appropriate.*  
Email to:  
**gazette@post.queensu.ca**  
**The next Gazette deadline is Friday, Dec. 23 at noon.**

## Happy Holidays!

The staff of the *Queen's Gazette* would like to wish everyone all the best for the holiday season and the New Year.

The first issue of 2006 appears Monday, Jan. 9 and the copy deadline is at noon on Friday, Dec. 23.  
Email submissions to [gazette@post.queensu.ca](mailto:gazette@post.queensu.ca).  
For paid display advertising inquiries, please call Ying Gilbert at 533-6000, ext. 75464 or email [advert@post.queensu.ca](mailto:advert@post.queensu.ca).

## HELP LINES

Campus Security  
Emergency Report Centre  
**533-6111**

**Human Rights Office**  
533-6886  
Irene Bujara, Director

**Sexual Harassment Complainant Advisors:**  
Margot Coulter, Coordinator  
533-6629

Chuck Vetere – Student Counselling  
533-2893 ext. 77978

**Anti-Racism Complainant Advisors:**  
Stephanie Simpson, Coordinator  
533-6886

Audrey Kobayashi – Geography,  
533-3035

**Anti-Heterosexism/Transphobia Complainant Advisors:**  
Julie Darke, Coordinator  
533-6886

Eleanor MacDonald, Politics  
533-6631

**Coordinator of Dispute Resolution Mechanisms:**  
Please contact Harry Smith, Coordinator of Dispute Resolution Mechanisms, at 533-6495 for assistance or referral to an advisor.

**Sexual Harassment Respondent Advisors:**  
Paul Banfield – Archives  
533-6000 ext. 74460

Mike Stefano – Purchasing  
533-6000 ext. 74232

Greg Wanless – Drama  
533-6000 ext. 74330

**Anti-Racism Respondent Advisor:**  
Ellie Deir – Education  
533-6000 ext. 77673

**Internal Dispute Resolution**  
SGPS Student Advisor Program  
533-3169

**University Dispute Resolution Advisors – Students:**  
Please contact Harry Smith, Coordinator of Dispute Resolution Mechanisms, at 533-6495 for assistance or referral to an advisor.

**University Grievance Advisors – Staff:**  
Kathy Beers – Student Affairs  
533-6944

Bob Burge – JDUC  
533-6000 ext. 78775

Gary Racine – Telecommunications  
533-3037

**Freedom of Information and Privacy Protection**  
Information Officer  
533-2211  
Commissioner  
533-6095

**Employee Assistance Program**  
1 800 387-4765

**University Chaplain:**  
Brian Yealland  
533-2186

**Rector**  
Grant Bishop  
533-2733

**Student Counselling Service**  
533-2893

\* Internal numbers may be accessed from a touch-tone phone off-campus by dialling 533-6000 + extension number.

### Public Lectures

**Tuesday, Jan. 18**

**Education**  
Howard Smith, Queen's. Qualitative Research as World View. Clinical Education Centre, 4 pm. All welcome. Details: D. Forster, [3dmf@qlink.queensu.ca](mailto:3dmf@qlink.queensu.ca). Snow date: Jan. 25.

### Volunteers

#### Clinical Exercise Physiology Laboratory

Are you a physically active pre- or postmenopausal woman, aged 42-54 and not taking oral contraceptives or hormone replacement therapy? You could take part in a

*Want to promote your business or a special event to Queen's University faculty and staff?*

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## QUEEN'S GAZETTE

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ext. 75464

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#### STAFF APPRECIATION DAY DRAW WINNERS: Thursday, Dec. 1

Donated by

Principal Karen Hitchcock, gift basket: **Greg Watson**  
Vice-Principal Patrick Deane, water pitcher: **Jenna Lowery**  
Vice-Principal George Hood, Queen's jacket: **Christine Bertrim**  
Vice-Principal Kerry Rowe, Queen's sweatshirt: **Chris Phillips**  
Vice-Principal Andrew Simpson, gift basket: **Troy Laporte**  
Vice-Principal Rod Morrison, holly ivy Christmas tree: **George Oldford**  
Director, School of Nursing, Cynthia Baker, Queen's travel mug: **John Plumridge**  
Dean, Education, Rosa Bruno-Jofré: cyclamen plant: **Rodney Wilson**  
Acting Dean, Student Affairs, Janice Deakin: Queen's blanket & teddy bear: **Maggie Doris**  
Dean, Applied Science Tom Harris, gift basket: **Catherine Hagerman**  
Dean, School of Business, David Saunders, fleece vest: **Lynn MacIntosh**  
Dean, Arts and Science, Bob Silverman: gift basket: **Veronica Harris-McAllister**  
Dean, Health Sciences, David Walker: gift basket: **Donna Sly**  
University Registrar Jo-Anne Brady: gift basket: **Larke Zarichny**  
Director, ITS, Sean Reynolds, USB memory keys: **Marilyn Lindsay, Kathleen Williams**  
University Librarian Paul Wiens, gift basket: **Kim Delaney**  
Dean, School of Graduate Studies & Research, Roland Boegman, T-shirt and mugs: **Patricia Serveau**

**KGH** KINGSTON GENERAL HOSPITAL



## Moms-To-Be Needed for Pelvic Floor Study!

Are you less than 20 weeks in your first pregnancy? If so, please consider joining a KGH/Queen's study investigating the impact of delivery on the pelvic floor. Two short visits to KGH are required. Compensation provided. This study is being conducted by Dr. M. A. Harvey, Dept. of OB/GYN.

For more information call  
**Karen Harris RN at 548-1343**

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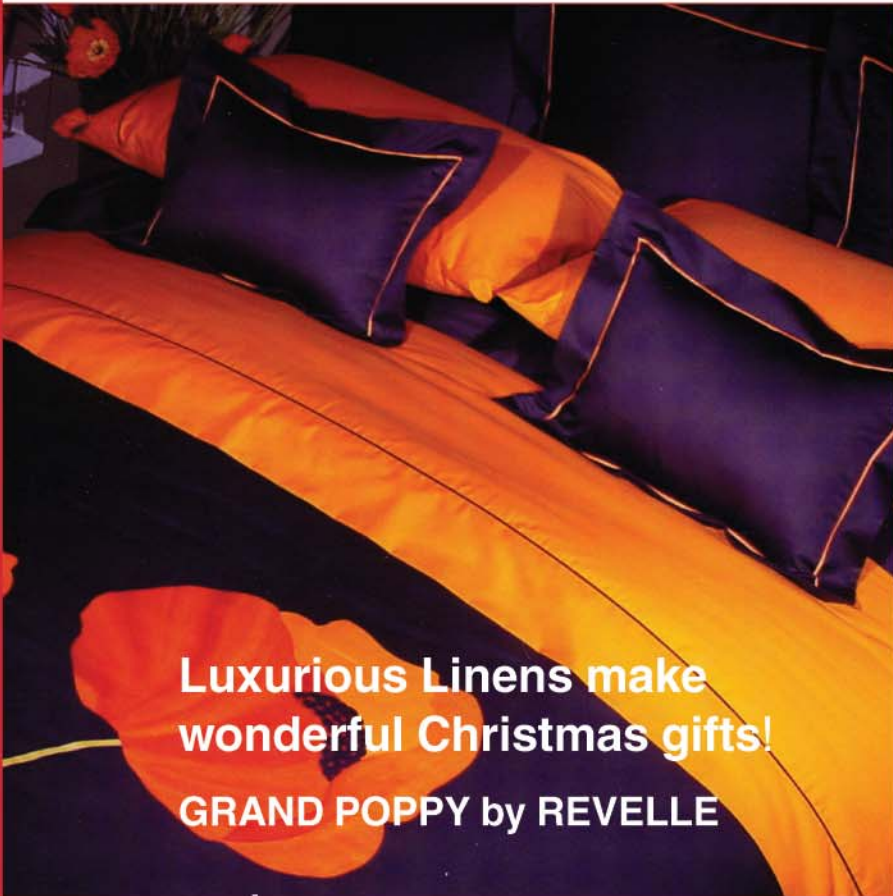


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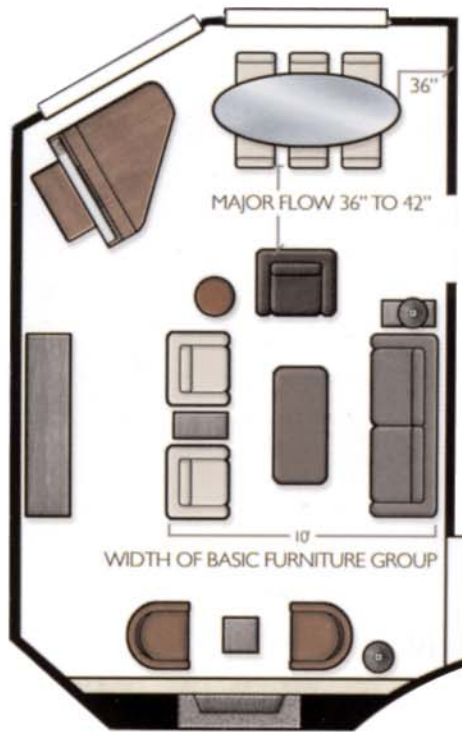
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