



QUEEN'S GAZETTE



Hello?
Hello? P8

At the corner
of Dig 'n Dirt P3



STEPHEN WILD

Principal Karen Hitchcock applauds as Ontario Premier Dalton McGuinty announces a \$21-million grant to support a new Queen's centre for biomaterials research June 12. About 150 people attended the press conference, which took place in Chernoff Hall.

A big boost to research and innovation

PREMIER ANNOUNCES
\$21 MILLION FUNDING
ON VISIT TO CAMPUS

By CELIA RUSSELL

A \$21-million grant to support a new Queen's research centre will help the government to build a stronger, greener economy, Premier Dalton McGuinty has officially announced.

"Students, faculty and researchers at Queen's University are helping to make Ontario the place to be when it comes to research and innovation," said Premier McGuinty, who addressed about 150 faculty, students and members of the community at Queen's Chemistry building, Chernoff Hall, last Tuesday. "We're proud to partner with them to find newer, cleaner technologies that will build a stronger economy and more prosperity for families in eastern Ontario."

Principal Karen Hitchcock

introduced Premier McGuinty, Kingston and the Islands MPP John Gerretsen and Kingston Mayor Harvey Rosen also spoke.

The university is working with the private sector to build an advanced research and innovation centre specializing in bioprocessing and biomaterials. The funds will allow Queen's to realize its vision of an Advanced Research and Innovation Institute (ARII) – a convergence centre that will be built with contributions, both financial and intellectual, from university, government and industry partners.

"Dr. Hitchcock has a reputation for bringing people together," Premier McGuinty noted.

"Queen's is one of Canada's leading research-intensive universities," said Principal Karen Hitchcock.

"The centre will serve as a regional hub for research and innovation, bringing together scientists from industry and academia to collaborate on bio-

products research and get new technologies to market, faster."

Partnerships – and speed – are important, Dr. Hitchcock said afterwards.

"We can't go it alone anymore. We've got to be nimble if we are going to be successful innovators."

This provincial funding will ensure Queen's capacity to sustain its reputation for research excellence in green materials and technologies, said Mr. Gerretsen.

"To succeed in today's economy, we need to build a culture of innovation in every sector and in every corner of our province," said Premier McGuinty, who is also the province's Minister of Research and Innovation. "By investing in research and innovation in Kingston, we can turn homegrown ideas into homegrown jobs and build prosperity for all Ontario families."

For more details on the new research centre, see the March 26 Gazette, online at qnc.queensu.ca/gaz_online.php

Beyond the blue box

COMMUNITY NEEDS
TO ENGAGE MORE
FULLY IN
SUSTAINABILITY
EFFORTS

By CELIA RUSSELL

Anyone grabbing a meal at Mackintosh-Corry or any other eatery on the main or west campus would find it difficult to overlook the lines of large, blue recycling bins – hard evidence of the university's goal to reduce, reuse and recycle.

But this visible effort to collect plastics, glass and paper is just one component of a larger strategy to promote a culture of sustainability at the university.

The university engages in a wide range of sustainability initiatives each year, but it is not well reported publicly, says Vice-Principal (Operations and Finance) Andrew Simpson.

To this end, Queen's is establishing a sustainability office to coordinate and facilitate sustainability initiatives across the campus. Mr. Simpson expects the appointment process to begin in the next few months and the office to be up and running soon after.

"It is important that we engage more fully with the Queen's community on sustainability related initiatives," he says. "Consequently, communication will be a critical part of the day-to-day functioning of the office, both receiving ideas from members of the community and reporting on initiatives and outcomes."

People as well as programs form an integral part of the strategy.

The university recently appointed Nathan Splinter, a Queen's 2003 Mechanical Engineering graduate, as its first energy engineer – making Queen's one of a handful of Canadian universities that has dedicated resources to this type of position. Mr. Splinter will develop an energy plan for the campus, which will include

monitoring energy use and proposing retrofits to existing facilities to reduce energy consumption.

In addition, mechanical engineer Eric Neuman and electrical engineer Dave Burns in Physical Plant Services (PPS) have won LEED accreditation. Leadership in Energy and Environmental Design is a rating system developed in the U.S. to evaluate the environmental performance of a building and is also known as a standard for developing high-performance, sustainable buildings.

The university is implementing \$335,000 of lighting retrofits, which will reduce its energy use and utility bill by more than \$100,000 a year.

With continued volatility in energy prices, the university has made great strides to cut electricity costs as much as it can, says Engineering Manager John Witjes. These include:

- Strategic hedge purchasing of large blocks of electricity with 17 other universities in the province to benefit from economies of scale
- Strategic hedge purchasing of fuel stock for the Central Heating Plant that supplies steam to the campus and three local hospitals
- The launch of a cogeneration system to generate electricity and steam from a single fuel source to reduce overall campus utility costs
- Installation of \$335,000 of lighting retrofits, which will reduce the university's energy use and utility bill by more than \$100,000 a year
- Promotion by the new energy engineer of energy conservation awareness on campus which will include a mass

See SUSTAINABILITY: Page 16

Alumni, students honour outgoing dean

By LORINDA PETERSON

Bringing together 60 alumni in Toronto to celebrate Tom Harris's 11-year leadership as dean of the Faculty of Applied Science was an easy task for organizers Connor Langford, former Engineering Society (EngSoc) president, and Kathy O'Brien, senior development officer in Applied Science.

While the dean was aware of the planned event, he was totally

unaware of the two special honours that he was about to receive.

"It's a rare occasion when we're able to keep a secret from Tom, but we managed to keep some aspects of the event a surprise," says Ms. O'Brien.

Established through donations from Applied Science alumni and The Queen's Engineering Society, The Thomas J. Harris Bursary in Applied Science

supports his belief in accessibility to an engineering education – that it should be available to every student who wants one. So far, \$225,000 has been raised toward the bursary, which will provide a Queen's engineering education to one student annually. The terms of the bursary will go to the Board of Trustees in September for approval.

"I was humbled and over-

whelmed by the generosity of our alumni," says Dean Harris, who steps down as dean at the end of June. "I have greatly enjoyed meeting with hundreds of alumni over the past several years and I am continually amazed by their wide-ranging interests and career paths.

"This award is very meaningful to me. Many students cannot attend Queen's due to the high

See HARRIS: Page 2

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For news updates
visit us online @
www.queensu.ca/newscentre



Queen's achieves global reach with iTunes

Now that Apple Inc. has publicly launched its iTunes U initiative, leading universities that have embraced podcasting technology, including Stanford, Duke, MIT and Queen's, will now have their public content available directly from the main iTunes public site.

Until now, Queen's iTunes content has only been accessible from the university's website.

Since the Queen's iTunes launch last November, the university has had positive results with nearly 22,000 hits to the Queen's iTunes U website, more than 17,000 views of its iTunes U page and approximately 10,000

content downloads.

"This has been a positive and proactive effort to help build the university's profile among our external audiences," says Executive Director of Marketing and Communications Richard Seres. "Now, however, with iTunes providing a global reach for our institutional communications at no financial cost, our content will be even more accessible."

Queen's is the only Canadian university listed of the 16 universities listed on the iTunes U page.

Users can continue to access Queen's on iTunes U through the link on the homepage or directly

at the iTunes U main page. (Select iTunes U, then click on "Queen's University.")

Recent additions to iTunes at Queen's include QPod, a new regular quarterly podcast to be posted before the publication of each Queen's Alumni Review to preview the magazine and provide some behind-the-scenes content; well known journalist and cultural commentator Russell Smith, Queen's Toronto Breakfast Series (Audio) and David Austin, "All Roads Lead to Montreal - The Caribbean Conference Committee and Black Power in Canada" (Audio).

Other content currently available through the site includes public lectures, convocation addresses, videos showcasing various aspects of campus life and programs, historical content from Queen's Archives and athletic video highlights from the Golden Gaels.

Marketing and Communications and Information Technology Services continue to work together to identify opportunities to develop the iTunes U program to meet the needs of the higher education sector.

www.apple.com/education/itunesu

Harris

continued from page 1

cost of living away from home and other financial barriers," he says. "These students and their families know how important a post-secondary education is to creating an enriched life. They are well-equipped for the rigorous learning required to succeed, but are unable to afford the four years of education and living expenses. We must remain committed to identifying and removing as many financial barriers to these talented future engineers as we can."

Dean Harris needs to be thanked properly for his contributions to the university, says

Mr. Langford. "Having had the opportunity to work with him on a few issues, I am extremely impressed with how much he genuinely cares for the students at this school and how much faith he places in our abilities."

A supporter of program innovation and evolution, Dr. Harris challenged his faculty, staff, and students to develop, accept, and integrate new teaching methodologies throughout the faculty.

Part of this initiative led to the construction of Beamish-Munro Hall, the Integrated Learning Centre (ILC). Several other engineering faculties in

North America are copying its programmatic and building elements.

His faith in student-driven solutions allowed students to challenge themselves and truly shape their learning experience.

Subject to approval by the Board of Trustees, the Engineering Society also plans to dedicate the student lounge in the Integrated Learning Centre (ILC) to Dean Harris in recognition of his devotion to student life and engineering education.

"I was surprised and very appreciative of the renaming of the EngSoc Lounge," says Dean

Harris. "I have greatly enjoyed working with the Engineering Society over the past 11 years. We are fortunate at Queen's with the quality of student government. Students take their responsibilities seriously and they are always seeking to provide new and/or improved services for students."

The EngSoc also inducted Dean Harris into the Order of the Purple Knights, the most prestigious recognition for Applied Science students. Although generally reserved for students, Dean Harris's contributions made him an obvious candidate.

M and C moves up

The Department of Marketing and Communications will be closed this Friday, June 22 while it moves floors in Fleming Hall, Stewart-Pollock Wing.

Marketing and Creative Services, currently located on the first floor, will move to the fourth floor. Communications and Public Affairs (including the Alumni Review, Queen's Gazette and News and Media Services) will move from the third floor to

the fifth floor.

Those wishing to contact the department on that day may leave voice mail.

The department is scheduled to reopen on Monday, June 25.

The Department of Human Resources is scheduled to move from the ground floor of Richardson Hall into the first three floors of Stewart-Pollock Wing once renovations are completed later this summer.

See you in September

The Gazette resumes twice-monthly production on Monday, Sept. 10.

The paid display advertising booking deadline is Friday, Aug. 24, the ad artwork deadline is Wednesday, Aug. 29 and the editorial copy submission deadline is Friday, Aug. 31 at noon.

For campus news and information during the summer and throughout the year, visit the Queen's News Centre on the web at www.queensu.ca/newscentre

For information on Queen's events all year long, visit eventscalendar.queensu.ca

For editorial inquiries and submissions, contact Editor Celia Russell at 533-6000, ext. 74498, gazette@post.queensu.ca.

For paid display advertising inquiries and submissions, contact Advertising Coordinator Ying Gilbert at 533-6000 ext. 75464, advert@post.queensu.ca.

For fall publication dates and Gazette back issues, point your mouse to qnc.queensu.ca/gaz_online.php

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CELIA RUSSELL

An engineering education should be available to every student who wants one, says Tom Harris.

THIS IS A PAID ADVERTISEMENT

"Take a hike!" says local business to Queen's staff and students

In an act of total disregard for the busy schedules of Queen's staff and students one local business owner says they should all just "take a hike."

Robert Gentile is the co-owner of Bon Echo Family Campground, 1.5 hours North-West of Kingston.

He says, "We help people with one of the most affordable, beautiful, and peaceful get-aways around; people come from all over Ontario to experience nature's beauty at its best here, to have reunions and get-togethers. A great way to de-stress is to be with nature; canoe, kayak, have a camp fire, swim, and of course, take a hike. It's great fun!"

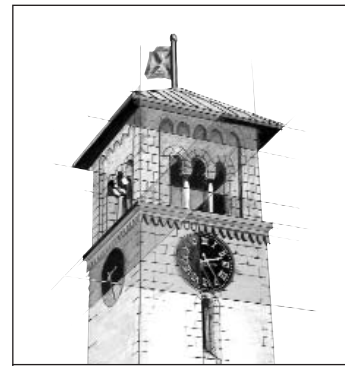
A Queen's grad himself (Artsci '96), Gentile is extending a 15% discount to all Queen's staff, students, and alumni.

Bon Echo Family Campground offers camping sites with water and hydro, full washroom & shower facilities, and cozy camper-trailer rentals for those who like nature but not camping.

The campground is also reported to have one of the best and shallow sandy beaches in the area, nestled on a quiet secluded lake.

"You will feel peace and relaxation here. There is no other campground like it - you have to see it to believe it," says Gentile. He advises readers to ask for the Queen's 15% discount and book early as space fills up fast.

More information about the campground is available by calling 1-888-850-4761 or visiting www.bonechofamilycampground.com.



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Subscriptions are \$30 per year.

The Queen's Gazette is published on the second and fourth Monday of each month (Tuesday if Monday is a holiday), and normally monthly in the summer and December by the Department of Marketing and Communications, 307 Fleming Hall, Queen's University, Kingston, ON K7L 3N6.

Submissions are welcome, but the Gazette reserves the right to edit and print contributions as space and time permit.

SCHEDULE

Issue date: Monday, Sept. 10
Ad booking deadline: **Aug. 24**
Ad artwork deadline: **Aug. 29**
Noon editorial deadline: **Aug. 31**

Issue date: Monday, Sept. 24
Ad booking deadline: **Sept. 7**
Ad artwork deadline: **Sept. 12**
Noon editorial deadline: **Sept. 17**

ADVERTISING POLICY

The Queen's University Gazette is a newspaper published by the University's Department of Marketing and Communications ("Publisher") for the primary purpose of internal communication to its faculty and staff members.

All advertising is subject to the Publisher's approval. The Publisher reserves the right to revise, reject, discontinue or omit any advertisement, or to cancel any advertising contract, for reasons satisfactory to the Publisher without notice and without any claim for penalty.

The Publisher does not accept liability for any loss or damage caused by any error in accuracy in the printing of an advertisement beyond the amount paid for the space actually occupied by that portion of the advertisement in which the error occurred.

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The Publisher will not knowingly publish any advertisement which is illegal, misleading or offensive to its readers.

The Publisher will not knowingly publish any advertisement which violates the University's internal policies, equity/human rights policies or code of conduct. Further, the Publisher will not publish any advertisement which contravenes the best interests of the University directly or indirectly.

Councils recognize Queen's with top awards

Queen's strikes gold... and silver... and bronze.

Three special communications initiatives have been recognized in two separate competitions, the U.S.-based Council for Advancement and Support of Education's (CASE) Circle of Excellence Awards and the Canadian Council for the Advancement of Education's (CCA) Prix D'Excellence.

The "Stay off the Street" poster campaign received gold and silver medals, "Queen's on iTunesU" received gold, and "Queen's Centre: The dream takes shape," a flyer promoting the Queen's Centre, was honoured with a bronze medal.

CASE awarded its highest honour, the Grand Gold for Best Advertising Campaign, for "Stay off the Street," an initiative that encouraged students to act responsibly during last year's Homecoming Weekend. The Office of the Vice-Principal (Academic), Office of the Associate Vice-Principal and Dean of Student Affairs, and the Department of Marketing and Communications jointly conceived and executed the project.

"This is a significant accomplishment and recognition by the international association of advancement professionals and marks the second time in the past three years that Queen's has won the Best Advertising campaign category," says Richard Seres, executive director, Marketing and Communications. (The same award was granted for the School of Computing campaign

three years ago.) The campaign also received a silver medal from the Canadian Council for the Advancement of Education (CCA) in the Best Advertising Campaign category, and a bronze medal in the Best Poster category.

"Queen's on iTunesU," launched last fall through Marketing and Communications and in partnership with Apple Inc., received a gold medal from CCAE in the Best E-Innovation category. Judges described iTunesU, the first among Canadian universities, as a truly innovative initiative.

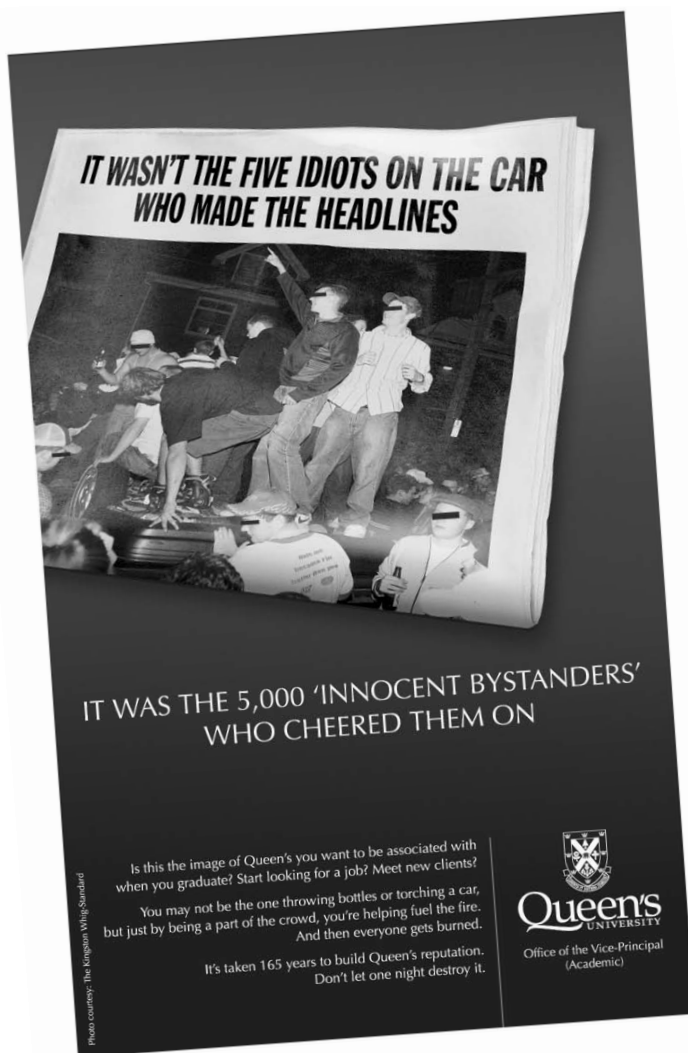
"This is true university advancement and true worldwide reach...and it fits within your strategic plan," states the judges' report.

CCA awarded a bronze medal to "Queen's Centre: The dream takes shape," in the Best Flyer category. The cleverly designed, four-page Gazette insert describes in detail the Queen's Centre, currently under construction.

"These awards are a great validation of the excellent marketing and communications work that Queen's produces," says Mr. Seres. "These initiatives are truly successful because they reflect a really great collaboration across many stakeholder groups."

CASE and CCAE awards are handed out annually to recognize outstanding achievements in alumni affairs, public affairs, development, student recruitment and overall institutional advancement.

- Anita Jansman



This is one of the posters from Queen's "Stay off the Street" poster campaign, which won several honours from The Council for Advancement and Support of Education and the Canadian Council for the Advancement of Education.

IN BRIEF

Survey to measure engagement

Eight university units are participating this month in a pilot survey to measure employee engagement.

The surveys are conducted online by Hewitt and Associates, and will be submitted directly to the firm for analysis.

Hewitt guarantees complete confidentiality of the results, which will be shared this fall. More participation is planned for the next survey administration.

"As we start on the road to being a nationally ranked employer, we need to have a much better understanding of what employees think of the university as an employer - what are their expectations, where we are meeting them and where we are not," says Vice-Principal (Human Resources) Rod Morrison.

"The survey is an important benchmark for us and is necessary in order to move forward."

For more information, visit www.hr.queensu.ca and click on the link under announcements.

Completing the picture

Once again, faculty, staff and retirees showed that Queen's is more than just a workplace. It is a place filled with people who care about students, their campus, and each other. This year, 107 more people donated than did last year to the Queen's Community Campaign.

This fiscal year, donations of \$120 or less (or \$10 a month by payroll deduction) totaled almost \$20,000.

"This support sends a powerful message to our students, parents, alumni, corporations and foundations about our belief in Queen's University," says Paul Chesser, director of Annual Giving.

Special thanks go to the team at Queen's Printing Services for their help with brochures, letterhead, and posters.

Members of the 2007 Community Volunteer Committee were Staff Chair Donna Stover, Retirees Chair Don Carter, Faculty Chair John Burge, Cheryl Descent, Wendy Lloyd, Ivan MacKeen, Kathleen Vollebregt, Barbara Teatero and Louise Moran.

Blasting to begin at Queen's Centre site

CONSTRUCTION UPDATE

The chorus of backhoes and hammers, part of the campus summer of construction, will soon be joined by the occasional blast as excavation begins next month on the Queen's Centre site.

Blasting of the limestone bedrock, which is about six to eight feet thick, will follow the earth excavation in the block bounded by Clergy Street West, University Avenue, Earl Street and Division Street.

Vibration and noise will be minimal and will fall within safe levels as prescribed by the authorities having jurisdiction. It is not expected to have adverse effects on any structures. A pre-blast survey zone of approximately 100 meters around the

excavation blasting area has been designated. The zone is roughly bound on the Queen's campus south to Clark Hall, west to Stauffer Library, east to Walter Light Hall and north to the residential area around William Street. Vibration levels will be monitored during each blast.

The university will monitor the condition of buildings in this zone before and after blasting takes place. Such surveys are common practice, particularly on a construction site in a densely populated neighbourhood.

Once blasting starts in July, about three blasts will occur daily each week over a five-month period. A series of warning sirens will sound before each blast - three short sirens followed a minute later by one short siren before the blast is fired, and one long siren indicating "all clear."

The Tindall Field Underground Parking Facility project is

on the June 21 agenda for the City of Kingston Planning Committee for site plan approval. The project consists of a combined underground parking facility and artificial field complex on the present site of the parking lot adjacent to Mackintosh-Corry Hall.

This project is designed to address the need for improved sports fields and to meet the demand for parking on the main campus, while also releasing an existing field site at a gateway location for future academic development.

The section of Union Street between University Avenue and west of Arch Street will be closed until the end of July. Rerouting of services on Union Street to make way for Phase 1 of the Queen's Centre project is moving from east to west, with sections of the street opening as construction is completed.

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IN BRIEF

Voaden prizes announced

The Department of Drama announces the winners of the 2007 Herman Voaden National Playwriting Competition.

First prize of \$3,000 went to Charlotte Corbeil-Coleman for "Scratch." Second prize of \$2,000 went to Kevin Loring for "Where the Blood Mixes."

Mark Blagrove, John Corrigan, Jason Hall, Nicholas Hanson, Caleb Marshall, Natalie Meisner, Hannah Moscovitch and Diane Vanden Hoven received honourable mentions.

The top two plays will receive script workshops produced by the Thousand Islands Playhouse, and will be presented as staged readings as part of Queen's Homecoming Weekend (Oct. 12-13) and the Department of Drama's 60th anniversary year.

The judges in the biennial nationwide open competition, named to honour the Canadian pioneer playwright Herman Voaden, make selections without knowing the names of the playwrights. Judges were Brenda Bazinet, Daryl Cloran, Paula Danckert, Joanna Falck, David Ferry, Lorena Gale, Kathryn MacKay, and Brian Quirt. Final round judges were Queen's alumna Judith Thompson and Daniel MacIvor.

Music for summer

A performance of the Quartet for the End of Time kicks off A Summer Music Festival, presented by the Performing Arts Office.

David Stewart, Gordon Craig, Cynthia Szabo and Wolf Tormann open the festival Friday June 15 with the rarely heard 20th-century masterpiece, followed by the Dvorak Dumky Trio, 8 pm at Sydenham Street United Church.

The Pinchas Zukerman Chamber Players perform a program of Boccherini, Mozart and Gliere on Friday, June 29 at 8 pm at Sydenham Street United Church.

On Tuesday, July 31 at 7:30 pm, Yoav Talmi directs the National Youth Orchestra playing the music of Wagner, Sibelius and Ravel at Grant Hall, 7:30 pm.

Admission is free, except for the June 29 concert. Tickets are \$15 and \$10 (students) available in advance at the Performing Arts Office, John Deutsch University Centre, 613-533-2558 or at the door.

Funding helps student's business to take off

Budding entrepreneurs graduating from the School of Business will soon receive expertise, resources and even up to \$15,000 from Canada's leading business school, thanks to a \$500,000 donation from CIBC.

The CIBC Entrepreneur Development Scholarship Program completes the business school's innovative Dare to Dream program, which provides three graduates each year with three months of financial support, business contacts and advice from faculty as they launch their own business ventures.

"More and more students enter our programs with the goal of developing the skills required to launch their own business ventures, and thanks to CIBC's historic support, Queen's School of

Business is at the forefront of developing curricula, research and support for entrepreneurs," said Dean David Saunders.

Entrepreneur and recent Queen's MBA graduate Sushee Perumal will be one of the first participants in the program. He will use the internship to launch JetDirect, a private charter airline that will run out of Kingston. Intern Shawn Gee, also an MBA graduate, is developing a company that will provide wireless Internet access in Kingston.

"With more than 40 per cent of Canada's GDP driven by entrepreneurial business, we recognize the need to help develop new entrepreneurs and are pleased to continue our longstanding support for Queen's School of Business in this endeavour," says

Dean Chapman, associated vice-president, CIBC.

Students submit their business plans as well as a proposal for the three-month internship to a selection committee at Queen's Centre for Business Venturing, a centre of knowledge and expertise in the creation, leadership and management of new ventures. During the three months, the students will receive up to \$15,000 in funding, which will be tied to the completion of monthly deliverables, as well as guidance from the new entrepreneur-in-residence at the School of Business, Grant Bartlett.

"The Dare to Dream program will dramatically improve the odds of success for Queen's graduates who possess the entrepreneurial spark and well researched, innovative ideas for

new business ventures," says Elspeth Murray, centre director and CIBC Faculty Teaching Fellow in Entrepreneurship. "Advice from experienced entrepreneurs and introductions to investors are often all it takes to make a venture business dream a venture business reality."

CIBC has been a strong supporter of entrepreneurship studies at the School of Business, providing the core funding for Queen's Centre for Business Venturing, establishing the CIBC Professorship in Entrepreneurship and the CIBC Curriculum Development Fund, which allows the QCBV to produce new venture case studies.

For more information on the program, visit business.queensu.ca/centres/qcbv/dare_to_dream_internship.php

RACE YOU TO IT



MICHAEL PARKINSON

Canada's Under-20 men's team scored a convincing 4-0 victory over the United States in front of 3,382 at Richardson Stadium June 6 in a tune-up for next month's Under 20 World Cup. U.S. player Gabriel Ferrari (left) and Canadian player Tosaint Ricketts, who scored three of the four goals, chase after the ball.

NEWS and MEDIA SERVICES

To inform us of your latest research findings or upcoming journal publications, call Senior Communications Officer Nancy Dorrance, 613-533-2869, or Communications Coordinator Lorinda Peterson, 613-533-3234.

Are you over 18 years of age?
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Research Study on the effect of taking Glucosamine sulfate on blood sugar control and insulin resistance

Glucosamine sulfate is a dietary supplement commonly used to treat the pain and stiffness that results from osteoarthritis. The research literature is unclear on whether orally administered glucosamine sulfate can have the possible effect of temporarily affecting blood sugar control.

You may be eligible to participate in this two-week research study to examine the effects of taking glucosamine sulfate on blood sugar levels and/or the action of insulin.

We are recruiting two groups of subjects: those who have stable Type 2 diabetes that does not require insulin treatment and those who do not have diabetes.

Dr. T.E. Towheed and Dr. R.W. Hudson are the Principal Investigators for this Queen's study, which is looking for male and female subjects.

For further information, or to set up an initial information session with the Study Coordinator, contact

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Erdmute Waldhauer, a lifelong partisan of theatre

Erdmute Waldhauer, retired long-time administrative assistant in the Department of Drama, died on Saturday, June 2, after struggling with ill health for some time.

She was born in Muellrose, Germany, immigrating to Canada in 1956. She came to Kingston and joined the Queen's Department of Drama in 1965.

Professor Emeritus Fred Euringer, who was then head of Drama, has told of how Erdmute first arrived in the basement of Theological Hall for her job interview, looking extremely proper in her white gloves and hat, her very presence a rebuke to the squalid physical state of the Drama department and even to Fred himself, who was looking rather bohemian for a professor of that time, in his beard, blue jeans and sandals.

Fred said to himself, "This is the very woman we need to bring this department into line; but how to persuade her to stay?"

Evidently, Erdmute's sense of mission overcame whatever squeamishness she may have felt about her physical surroundings,

for she joined the department and continued there for the next three decades, earning her BA along the way in 1976. Erdmute will be remembered by all those who were associated in any capacity with Queen's Drama during her long period of service as the indispensable, cheerful and efficient repository of all essential facts to do with the Department of Drama. Indeed, she literally wrote the history of the department in her book, *Drama at Queen's From its Beginning to 1991* (edited by Richard Plant and Therese Greenwood).

She also published several articles on the history of theatre in the Kingston area, as well as a history of the Grand Theatre to celebrate its centenary in 1979.

Erdmute's long and devoted service to the Department of Drama was recognized by Queen's with a Special Recognition for Staff Award in 1991 and a Distinguished Service Award in 1995.

Aside from being a loyal and highly competent employee of the department, Erdmute was

also a fierce lifelong partisan of theatre in general. Many will remember hearing her speak of seeing, in her youth, the work of Bertolt Brecht and Helene Weigel with the Berliner Ensemble; and after her retirement, she remained a well-informed critic and supporter of local theatre.

She served for a time as an energetic and conscientious board member of Theatre Kingston; and, until a series of strokes made it difficult for her to get out, she could always be counted upon to offer, when asked, a modest but insightful and penetrating opinion of virtually any show that was playing locally.

Erdmute will be missed greatly by her family, friends and colleagues. A memorial service took place last Saturday in Convocation Hall Theatre in Theological Hall. Donations may be also made to Queen's University towards a memorial fund in memory of Erdmute Waldhauer.

— Craig S. Walker, acting head, Department of Drama



Erdmute Waldhauer

COURTESY OF CHRISTINE MCGINNIS

Alumnus Martin Spoor dies in plane crash

Queen's alumnus Martinus (Martin) Spoor was one of four medical specialists and two pilots who were killed June 4 when their emergency medical flight crashed into Lake Michigan.

Dr. Spoor, a cardiac surgeon at the University of Michigan Medical Center in Ann Arbor, and the donor team were transporting human organs from Milwaukee to a patient in critical condition in the Detroit-area of

Michigan when the Cessna Citation went down.

A native of Calgary, Dr. Spoor graduated with a BSc in Life Sciences in 1992 from Queen's and received his medical degree from the University of Calgary in 1995.

He did postdoctoral training in cardiac surgery and clinical research at the University of Alberta.

He is survived by his wife, Kingston native Susan Torrible,

also a doctor, and their three children.

"Our hearts are broken by the devastating and irreplaceable loss of six members of the Survival Flight transplant team," University of Michigan President Mary Sue Coleman said in a letter to the U-M campus community. "Every day, the doctors, nurses and flight personnel of Survival Flight do heroic work in saving the lives of others, and that is how we will remember those

who perished in Monday's tragedy as selfless heroes. There is no greater act than that of saving a life, and through our grief, we take comfort in knowing these six men died in the service of a fellow human being."

Please see the University of Michigan website for more information and condolences.

www.umich.edu
www.sitemaker.umich.edu/spoorfamily



Martin Spoor

COURTESY OF UMHS

Students win recognition for their green schemes

By CELIA RUSSELL

In the midst of a summer of dust and construction around campus, one student group is turning its attention to greener matters.

Green Scheme has been winning praise from local and national sources for its community greening projects. Its one of several community student initiatives created last year and funded by the Office of the Vice-Principal (Academic).

The group is a not-for-profit organization dedicated to urban renewal and community beautifi-

cation through the partnership of student and community volunteers. In addition to receiving mention in Maclean's Magazine's 2007 Guide to Canadian Universities, Green Scheme is the recipient of the Greater Kingston Chamber of Commerce "Organization" award. The chamber of commerce has recognized the Green Scheme for its tree planting projects in Victoria Park and along King Street, as well as its park clean-up efforts.

The goal of Green Scheme is to promote volunteerism among

students and residents as well as to link the groups in positive activities that contribute to the greater good of the community.

Students who participate in the projects develop a sense of stewardship and belonging to the Kingston community, says Green Scheme Project Manager Ralph Shaw.

"They also get the satisfaction of making a tangible contribution to the greening of Kingston."

One of the main goals is to get student and community volunteers working together. To that

end, faculty and staff are most welcome to participate.

Green Scheme is grateful to the student and community volunteers that made these projects possible, says Mr. Shaw. It also appreciates the help of the Sydenham Ward Ratepayers and Tenants Association and the City of Kingston for their assistance with these projects.

In addition to tree plantings in Victoria Park and along King Street, the Scheme has completed several successful projects at locations such as Navy Memorial

Park, City Park, Elizabeth Cottage, Bethel Church, St. George's Cathedral and Sydenham Public School.

Green Scheme is currently working with the Alma Mater Society to become a ratified University club in the fall. Keep your eyes open for upcoming community events this summer.

If you are interested in volunteering with Green Scheme, or have ideas for future projects, please contact Project Manager Ralph Shaw at greenscheme@gmail.com.

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VIEWPOINT

JOHN DE CHASTELAIN



It's true: You can move that rubber tree plant

The following is excerpted from the address that honorary degree recipient General John de Chastelain delivered to graduating students on May 25.

To join those distinguished Canadians whom Queen's has so honoured in the past, is a privilege of which I'm most conscious. It's even more gratifying to receive the degree at the convocation of the Faculty of Law and the Faculty of Health Sciences, as my son's a graduate of one and my daughter's a graduate of the other.

Indeed, Queen's has done me a great favour in a family sense. I've no formal connection to Queen's, but the rest of my family has. My father-in-law was the chaplain here for many years; my wife's a graduate, my son's a double graduate, my daughter's a graduate, my sister-in-law's a graduate, my son-in-law's a double graduate, my daughter-in-law's a graduate, my nephew's a graduate, and a large number of my RMC classmates are also Queen's graduates. And now you've been good enough to include me among them. What a relief!

Forty-seven years on, the world's a different place and the challenges facing young people today are probably more complex and more demanding than they were in my day; perhaps than they've ever been. You understand far better than I what difficulties face you on graduation, but I'd have thought you've every reason to be optimistic. First, you've the benefit of a degree from one of the most celebrated and respected universities in the country, and second you come from disciplines which historically offered a good future in professions that are much in demand. That doesn't guarantee you'll get your first choice at what you want to do next, but it does mean that you've as good a chance or better than many who aspire to the same goals.

If I'd one thing to say to you new graduates, it's that what you've achieved here will probably open a number of doors; but it's what you do once you're inside those doors that counts. Last year, I read the report of a seminar held at Ryerson University during which a head-hunting executive, who was advising MBA recipients, was reported as saying: "The most important skills are curiosity and enthusiasm. You can learn the ropes in any business but you can't fake those two qualities, and they are what employers are really looking for."

Looking back on my 40 years in the army and the 12 years since then that I've spent working in Northern Ireland and elsewhere, I'd agree that curiosity and enthusiasm are important. Curiosity, because I believe everyone should learn as much as they can about the details of the profession they've chosen, and they should continue to learn until the day they retire. Enthusiasm, because not only does it drive you to excel in what you do, while impressing your employers, but it also has a contagious effect on those with whom you work.

What you've achieved here will probably open a number of doors; but it's what you do once you're inside those doors that counts.

I'd add two more qualities to those. One is confidence and the other is perseverance. If you ever feel you lack confidence in your ability to do something, remember that you've much to fall back on. First, are the values you learnt at home and among your peers in high school. Second, is what you've achieved here at Queen's, whether it's in the classroom, on the sports field or in the contacts you've made and the friends from whom you've learned. I was promoted eleven times from infantry Private to four-star General, and each time I asked myself: "I wonder if they know what they're doing?" And each time I answered, "If they don't, it's their fault", and I got on with the job. Your background and education give you every reason to feel confident about any challenge you may face in the future.

I value perseverance as being equally important. While you've much to recommend you, it's possible that things won't always work out the way you want, but that's no reason to give up. I had a young neighbour who wanted more than anything else to go to medical school. But despite a good degree with high marks, and enthusiastic recommendations (some of which I wrote) he kept getting turned down. So he worked on a master's degree while still continuing to send in his applications. Then after a couple of years of repeated multiple rejections, he received acceptances from three different universities all in the space of a few weeks. Today he's a qualified doctor, working on his specialty at the University of Ottawa medical school.

Several years ago, at the height of the peace talks in Northern Ireland, when my colleagues U.S. Senator George Mitchell, former Finnish Prime Minister Harri Holkeri, and I were accompanying the Secretary of State, Mo Mowlam, out of the Government Buildings in Belfast after a particularly tough day of negotiations, the three of us were feeling pretty low. But Mo, who was suffering from cancer which would kill her a couple of years later, was walking in front of us slapping her wig against her leg. She turned to us and said: "For heaven's sake, you three, cheer up. It's going to work!"

That reminded me of a 1959 movie called A Hole in the Head in

QUEEN'S FLASHBACK: 1989



BOB WEISNAGEL

Above, Norma Nugent and Leisa McDonald of the School of Graduate Studies and Research dish up at the Queen's University Staff Association Strawberry Social 18 years ago this month. This year's social takes place on the grounds of Summerhill (rain location: Grant Hall) on Wednesday, June 27, 11:30 am to 1:30 pm. Below, Gerry Pynenburg, Stuart MacGillivray and Doug Orser of Printing Services examine a page in a photo taken in May of 1989.



BOB WEISNAGEL

which Frank Sinatra sings a song called High Hopes about an ant that moves a rubber tree plant. So I said to Mo, "You really are going to move that rubber tree plant, aren't you?" She'd obviously seen the movie, because she grinned at me and replied "I am!" One week later we had the Good Friday Agreement which has laid the basis for peace in Northern Ireland. After it was signed, I went out to a florist and sent Mo a rubber tree plant. The lesson is, you should never give up!

I'll close on another reason all of you can feel optimistic about the future. It was, I think, a German military philosopher who said that four characteristics are open to military officers, including intelligence, stupidity, energy and laziness. He said that every officer has two of them. Those who are intelligent and energetic are fitted for the highest staff appointments because they can handle masses of detail and make the appropriate deductions and conclusions. The intelligent and lazy are fitted for the highest command appointments, because they've the wit to understand the most complex of issues, but the confidence to leave the detail to others, while waiting to make the final decisions themselves. There's a need for the stupid and lazy, because enough tasks exist that have to be done, but which need neither great thought nor speed. But watch out for those who are stupid and energetic, because once they get going they can cause the most horrendous and long lasting problems.

Why should that make you feel optimistic? Because armed with a Queen's degree, clearly all of you must be intelligent. So, lazy or energetic, it would seem that only the most demanding and rewarding of appointments can be open to you. So, carpe diem, seize the moment!

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 is preferable.

Letters should be submitted by noon to gazette@post.queensu.ca on the Monday before publication.

The *Gazette* reserves the right to edit letters to address style, length and legal considerations.

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 750 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. The editor reserves the right to edit or reject any submission that does not comply with policy. Opinions expressed are those of the writer.

Diversity involves values and actions

When I last wrote about diversity in this column back in December 2005, we were still in the early stages of working on the university's new strategic plan. In the discussions which filled the months leading up to the unanimous adoption of the strategic plan by Senate and the Board of Trustees at the end of 2006, the topic of diversity was omnipresent, and as a result references to diversity in all its aspects are woven throughout the final version of the plan.

The following paragraph drawn from the plan captures the essence of our discussions:

We recognize that Queen's is enriched intellectually, socially and culturally by the presence and participation of people from diverse backgrounds, from within Canada and around the world. Our student body, our faculty and staff, and our programs of learning and research benefit immeasurably when they reflect a diverse range of experience, nationalities and ethnicities, sexual orientation and gender identity, income levels, ages and cultures. We also support the right of persons with disabilities to enjoy equal opportunity and to participate fully in the life of the university. We are committed to move toward a campus environment where no new barriers are created and existing ones are removed. We cherish and fully support the diversity of human experience and background at Queen's, and we actively foster the freedom of individuals to study, teach, work and carry out research without fear of harassment, intimidation or discrimination.

As our strategic plan emphasizes, we must deal with diversity both in terms of values and actions.

The recent session of University Council on May 4 was devoted to the theme of Engaging a Diverse World: The Student Experience at Queen's. It included a panel presentation by a number of speakers (faculty, staff and students) who dealt



KAREN HITCHCOCK

Diversity

with issues ranging from the composition of the Queen's student body, to teaching and learning in a context of diversity, diversity in the context of the broader learning environment, recent activities with respect to sexual orientation diversity issues, and international aspects of diversity, including the experience of Queen's students studying outside Canada and that of non-Canadian students studying at Queen's.

The panel presentation was followed by small group discussions by members of council where they provided input on best practices from the world outside Queen's as well as suggestions on issues needing additional attention. Results of these discussions are being assembled into a document which will be used by members of the administration to help inform their actions in the months ahead.

At the same time, the Office of the Vice-Principal (Academic) will shortly be naming a diversity advisor who will take a leadership role with the goal of embedding a constructive, nuanced and positive apprehension of diversity within all academic endeavours of the university.

As well, acting on a proposal by the Senate Educational Equity Committee, a survey will shortly be initiated with a view to capturing best practices on diversity at other universities in Canada and abroad.

One thing is already clear: the concept of diversity covers a vast

range of phenomena, each with its own requirements. So, for example, our attempts to make access to the university as independent of income as possible will need to take account of issues different from our work on making our community respectful and accepting of differences in sexual orientation and gender identity, our ongoing initiatives in the area of accessibility for people with disabilities, or our work toward supporting and enriching the university environment for the whole range of ethnicities and nationalities.

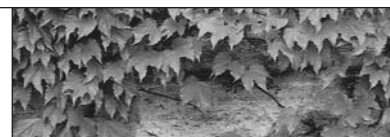
One thing is already clear: the concept of diversity covers a vast range of phenomena, each with its own requirements.

In this complex environment, the values we espouse and act upon will be particularly important. Through our teaching and learning, our research, and our service activities, each of us must strive to be thoughtfully aware of the complexity of the world around us, both locally, nationally and internationally, and willing to engage in both debate and actions to resolve problems and counter injustice.

This will sometimes require us to ask hard questions if we are to recognize areas where we need to do more, and to move forward in an atmosphere of mutual respect. In doing so, we can hope that the chapters of the Queen's history that we as a community will write in the days and years to come will be a source of pride for those who come after us.

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

UNIVERSITY ROUNDUP



Students have green on the brain

More Canadian students are applying to post-secondary institutions that offer programs with environmentally related components. Green tourism, engineering, and environmental policy are among the programs that have shown an increase in applicants. Officials at the University of British Columbia say that inquiries for their environmental science program have doubled in the past year, while Dalhousie University officials say that enrolment in their environmental engineering program has increased from 18 students in 2004 to 66 this year.

Globe and Mail, June 6

East Coast appeals to new grads

Nova Scotia's department of education recently announced that the majority of Nova Scotian university graduates are staying in the Maritimes. A survey of the class of 2003 Maritime university graduates released by the Maritime Provinces Higher Education suggests that 89 per cent of NS graduates, regardless of their province of origin, stayed in the province. After two years of graduation, 74 per cent were still in the province. The findings also note that 63 per cent of graduates have jobs that paid above the provincial average salary.

NS Department of Education press release, June 5

Your wife is smarter

A new Statistics Canada report shows that Canadian men and women with equal educational backgrounds are more likely to marry each other than ever before. About 54 per cent of couples younger than 35 had the same level of education in 2001, up from 42 per cent in 1971. Based on census data, the report also suggests wives now have higher average education levels than their husbands, while the opposite was true three decades ago. The United States also saw similar marriage patterns.

Statistics Canada, May 18

U of T offers life after graduation

University of Toronto Scarborough is helping students ease through the transition from school to working life with a new Life After Graduation series. The free service to new graduates includes motivational workshops focusing on the development of winning attitudes and approaches. Students were also provided with hints and tips about career planning, communication skills, leadership and entrepreneurial attitudes and problem-solving skills. One seminar featured a successful U of T-commerce graduate from 2002, and Ellen Goldhar, a popular life coach and author.

University of Toronto press release, June 6

Study Cordon Bleu at Carleton

Carleton University in Ottawa recently signed a Memorandum of Understanding with Le Cordon Bleu International in Paris to develop new academic programs and research between the two institutes. Carleton and Le Cordon Bleu will collaborate on the development of academic and research programs in the related areas of gastronomy, nutrition, health and hospitality management, as well as launching a newly-formed Le Cordon Bleu Institute. They are currently developing a joint Bachelor's degree in Food and Nutrition Science and a Masters of Arts in Gastronomy to begin in fall 2009.

Carleton University press release, May 25

No convocation tickets? No problem

Lethbridge University and University of Toronto are among the many Canadian universities that now offer the opportunity to watch graduation ceremonies via webcast. For family members that are unable to attend ceremonies or for members of the university community who simply aren't able to get tickets, this new service allows more people the opportunity to participate in graduation ceremonies. The webcast also offers a chance to replay the ceremony, as each ceremony is archived on the university's web site.

Canadian Press, June 5

Live and learn in academic village

Colorado State University will open a new Academic Village this fall for engineering honours students. In efforts to increase student success the university will open a \$42 million facility that will combine learning and living into a single community. The Village will house about 420 students – 240 from engineering and 180 from the Honours program. The facility will place emphasis on a more sustainable environment. It will feature ultra low-water fixtures to conserve water and the residence halls will offer the option of wind power for student purchase.

Colorado State University press release, June 11

Compiled by Molly Kehoe

AN ACADEMIC TAPESTRY



WANDA KAY

Stephanie Deutsch admires the newly cleaned tapestry of academic hoods belonging to her late husband, former Principal John J. Deutsch, hanging in the Ceilidh in the John Deutsch University Centre. She and friend Julie Clarke, Arts '43, recently visited the centre to meet student leaders, Alma Mater Society Vice-President (University Affairs) John Manning and Society of Graduate and Professional Students Acting President Arash Farzam-Kia. She discussed current university events with them and other university officials, including Bob Burge and Wanda Kay (JDUC), Jason Laker and Shelley Aylesworth-Spink (Student Affairs) and Janet Brooke (Agnes Etherington Art Centre).

IN BRIEF

What to do with greenhouse gases?

CHEMRAWN (Chemical Research Applied to World Needs) and ICCDU (the International Conferences on Carbon Dioxide Utilization) will hold a combined conference in Kingston on science and policy related to mitigation and utilization of CO₂ and other greenhouse gases.

Presented by E.I. DuPont Canada and Queen's, Greenhouse Gases: Mitigation and Utilization takes place July 8-12 on campus, six months before the Kyoto-protocol commitment period begins. Signatory governments are committed to meeting their targets within the 2008-2012 time period. Scientists, engineers and industrial or governmental policymakers are invited to participate.

For details and registration information, visit <http://www.chem.queensu.ca/greenhouse/index.php>

Student wins Hamer Prize

Erin Johnson, a doctoral student in computational chemistry, has been awarded NSERC's André Hamer Prize for research done at the National Research Council to refine existing computer models for analyzing chemical reactions and to develop new models that are more accurate and efficient.

She received \$10,000 and a silver medal prize, along with five other top Canadian postgraduate science students.

Ms. Johnson was selected for her early achievements and career potential in research, as well as for her interpersonal and leadership abilities. The prize is awarded to the most outstanding candidates in NSERC's master's and doctoral scholarship competitions.

Physics Professor Art McDonald, leader of the Sudbury Neutrino Project (SNO), founded the André Hamer Prize in 2004. He is also a recipient of the 2003 Gerhard Herzberg Canada Gold Medal for Science and Engineering. Dr. McDonald named the prize in memory of his former student and colleague, André Hamer, who passed away from cancer at the age of 35.

Industry funds new software projects

The School of Computing is collaborating on a \$1-million research initiative with CA Canada, one of the world's largest information technology management software companies. The funds will be directed towards specific projects managed by working groups of PhD and MSc candidates at Queen's, U of T, the Université du Québec en Outaouais, and Carleton University.

"Working with CA has led Queen's to build its research in autonomic computing on the use of industry standards," says Computing Professor Pat Martin. "This has led to a richer experience for our students and has focused their research on issues that are relevant to the concerns of industry."

Founded in 1976, CA is headquartered in Islandia, NY, and today serves clients in more than 140 countries.



DAVID TYNER

Mathematics and Statistics professor David Thomson (second from right) with Queen's new solar radio telescope and team members Lindsay Smith (now at the University of California), Robert Carkner (MSc Mathematics and Engineering) and Ben Gardiner (BSc Mechanical & Materials Engineering).

Hello? Hello? Cellphone conundrum solved

PROF POINTS SKYWARD TO EXPLAIN MYSTERIOUS "DROPPED" CALLS

By NANCY DORRANCE

Those annoying "dropped" cellphone calls that have been largely attributed to atmospheric disturbances, high humidity and heavy vegetation may actually have a more celestial origin: A Queen's-led team suggests instead that a large percentage are caused by solar activity.

Investigating the mystery of communications satellite failures in the 1990s led Mathematics and Statistics professor David Thomson – then working at Bell Laboratories in Murray Hill, NJ – to an unexpected discovery with implications for millions of cellphone users around the world. Both the satellites and the phones seemed to be affected by

changes in solar gravity modes.

Dr. Thomson, who came to Queen's in 2002 as Canada Research Chair in Statistics and Signal Processing, is cross-appointed to the Faculty of Applied Science. He has continued to work on this complex problem with a team of colleagues from Queen's and several U.S. universities.

Using data from solar radio telescopes, he and his students track radio-frequency energy bursts emitted by the Sun. Then they will try to correlate these pulses to dropped calls and other interruptions in cellphone activity. The researchers hope that data from Queen's new \$600,000 solar radio telescope located on the roof of the university's mathematics building will help identify how the modes cause calls to drop.

"What we have discovered is surprising and very different from the explanations that appear in most engineering text-

books," says Dr. Thomson.

When a solar radio flare occurs and cell-site antennae are facing the sun, the number of dropped calls that go away for no apparent reason increases dramatically, the researchers found. In one well-studied example this figure reached nine per cent, while some systems have dropped more than 20 per cent of their calls during flares.

"People look at it and say, 'It can't possibly be!'"

David Thomson

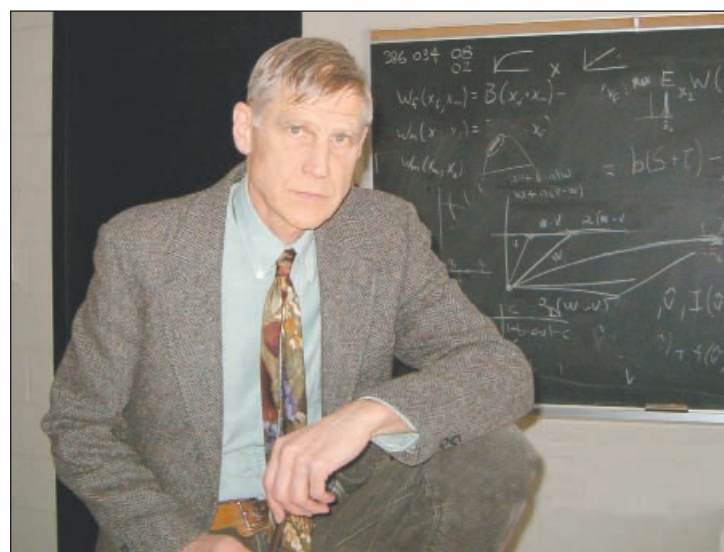
The mystery is why calls drop in the absence of flares. "We believe that this is caused by the Sun radiating energy into the Earth's magnetic field," says Dr. Thomson. "It's one of those things that people look at and say, 'It can't possibly be,' but a

lot of experts have now given a thumbs-up to this theory."

Other members of the international research team include: Louis Lanzerotti from the New Jersey Institute of Technology, Marc Lessard from the University of New Hampshire, and Frank Vernon and Lindsay Smith – whose fourth-year Math and Engineering thesis at Queen's contributed to the findings – from the University of California at San Diego.

"Understanding our Sun's more than 10 million normal modes and their interactions with engineering systems on Earth is a challenge that we are just beginning to undertake," says Dr. Thomson. "While many of the studies on telecommunications and cellphone system failures arose between the 1970s and the 1990s, it's now timely to generate a synthesis of this knowledge and apply it to the problems that prompted the research in the first place!"

Simple formula helps map cell behaviour



Peter Taylor

By MOLLY KEHOE

A new analysis of behaviour in a structured population illuminates Darwin's theories of cooperation and competition between kin, and provides an abstract model that could simplify scientists' quest to map behaviour among disease-causing organisms within a cell.

The study by Mathematics and Statistics professors Peter Taylor and Troy Day, with co-author Geoff Wild from University of Western Ontario, presents a simple formula for balancing the benefit and cost in altruistic acts, allowing researchers to predict behaviour and summarize disparate results in a simple framework.

"Although our main focus is on cooperation, these graph-

theoretic relationships can apply to the evolution of other traits," says Dr. Taylor. "For example, at Queen's we are particularly interested in the behaviour of pathogens competing within a host, in their capacity to cause disease, and we expect applications of our results to these models."

The NSERC-funded study provides a system that can be applied to any species within its natural environment to gain an understanding of its behaviour and interactions.

"One can imagine interacting individuals playing a game," says Dr. Taylor. "With fitness determined by the game payoffs and the competition between offspring for space, our model predicts which strategies will emerge under the forces of evolution."

Prof argues for mandatory HIV testing

PREGNANT WOMEN IN HIGH-RISK AREAS SHOULD BE TESTED AND TREATED, SAYS PHILOSOPHER

By NANCY DORRANCE

A philosophy professor and expert in bioethics is calling for a public policy shift towards mandatory HIV testing of pregnant women in areas where the disease is rampant.

Udo Schüklenk, a world leader in the study of health-care ethics related to policy, argues that a mandatory approach to testing and treatment could significantly reduce perinatal transmission of HIV – which results in babies with an average life expectancy of only two years.

He also promotes the view that mandatory testing is morally necessary if a number of conditions can be met.

“The scale of the problem demonstrates individual tragedies on an overwhelming scale and a threat to the public health of the communities in question,” says Dr. Schüklenk, Ontario Research Chair in Bioethics.

In 2004, this mode of transmission resulted in up to 2.8 million HIV-infected children worldwide.

Co-author of the paper is Anita Kleinsmidt, a human rights law expert from Witwatersrand University in South Africa. Dr. Schüklenk was a professor with Glasgow Caledonian University when the paper was written.

About 35 per cent of newborns born to HIV-infected women contract the virus from

their mothers if efforts to prevent mother-to-child transmission are not in place.

While research has focused on obstetric care of pregnant women in high-prevalence areas, “treatment is contingent upon the pregnant woman seeking antenatal care, being screened for HIV, and agreeing to medical intervention,” says Dr. Schüklenk. “The continuing high number of children born with HIV attests to failures at various stages of this process.”

The authors suggest several conditions that must be met before the introduction of any mandatory testing and treatment programs:

- The woman has voluntarily chosen to carry the fetus to term
- She would have had a reasonable alternative to this course of action (e.g. abortion at



Udo Schüklenk (Philosophy), Ontario Research Chair in Bioethics

- least until the point of fetal viability)
- Continuing voluntary treatment with HAART (highly active antiretroviral therapy)

would be available to her

- Ideally, the confidentiality of the woman's HIV status is maintained, during as well as after her pregnancy.

Dr. Schüklenk proposes pilot studies introducing mandatory testing and treatment programs at a number of sites in Botswana and South Africa, where the HIV antenatal prevalence rate is 30 per cent. “This would allow us to establish how such programs can best be implemented, and to investigate stigmatization as it affects women giving birth within these programs,” he notes.

While not a panacea for the “continuing pandemic” of perinatally-transmitted HIV, mandatory testing and treatment regimes should be considered, whenever feasible, by governments and other health-care providers, says Dr. Schüklenk.



Ram Murty

COURTESY OF RAM MURTY

Unravelling the mysteries of Sudoku puzzles

By NANCY DORRANCE

Mathematicians Agnes Herzberg and Ram Murty have used their shared expertise to help unravel some of the mysteries surrounding the increasingly popular phenomenon of Sudoku puzzles.

Using tools from the branch of mathematics called graph theory, Drs. Herzberg and Murty have been able to systematically analyze Sudoku puzzles. The researchers also report that analyzing Sudokus leads to some unsolved problems in graph theory.

In the language of graph theory, a coloured graph with no connections between same-colored nodes is called a “proper colouring.” What Sudoku solvers do every day is try to extend a partially-coloured graph (the original puzzle with open squares means the graph representing it has yet-to-be-coloured nodes) to a proper colouring.

With this analogy between Sudoku puzzles and graphs in place, Drs. Herzberg and Murty are able to use tools from graph theory to prove theorems about Sudokus. For example, in order for any Sudoku puzzle to have only one solution, at least eight of the nine numbers must appear as given entries in the puzzle; if

only seven numbers are given, then the puzzle has at least two solutions.

This brings up an unsolved mathematical question, the researchers point out. “It would be extremely interesting to determine under what conditions a partial colouring can be extended to a unique [proper] colouring,” says Dr. Murty.

In determining the minimum number of given entries needed to ensure that a puzzle has a unique solution, it might be supposed that a puzzle with many given entries is likelier to have a unique solution, their paper continues. However, they note that one puzzle with 29 given entries actually has two different solutions. A puzzle must start with at least 17 entries, with a minimum of eight different numbers, to offer the prospect of just one answer. It is unknown at present if there is a puzzle with 16 entries that admits a unique solution.

And the Queen's mathematicians have reassuring news for Sudoku addicts around the world: Their research shows that the number of distinct Sudoku puzzles is somewhere around 5.5 billion.

Cosmic project scoops innovation award

By MOLLY KEHOE

A project examining the role of black holes in the evolution of our galaxies, led by physicist Robert Thacker, has won the Ontario Research and Innovation Optical Network (ORION) Discovery Award of Merit.

The award is presented each year to recognize initiatives that leverage the unique capabilities of advanced networks and collaborative technologies to achieve significant outcomes in research and discovery.

“We are thrilled to receive the Award of Merit from ORION,” says Dr. Thacker, adjunct professor of Physics, Engineering Physics and Astronomy. “We accept this award as

vindication not only of our work, but also of the funding being given to supercomputing consortia across the country. These facilities truly are helping us to uncover the secrets of the Cosmos.”

Composed of Ontario and U.S. researchers, the Black Holes and Cosmic Evolution Project has been able to confirm that black holes have played a vital role in the evolution of galaxies. Their research was conducted through a computer simulation of the past six billion years of cosmic history – one of the world's largest computer-based simulations of its kind.

Computing facilities that aided in the discovery are

SHARCNET and HPCVL in Ontario and WestGrid in Alberta, interconnected over Canada's advanced ultra-high speed Canadian research networks, including ORION, Netera, BCnet and CANARIE.

Dr. Thacker partnered with Hugh Couchman, scientific director of SHARCNET and Evan Scannapieco, Kavli Institute for Theoretical Physics at University of California, Santa Barbara to conduct the computer simulation. Data are now archived at Queen's and still being analyzed. The three scientists made movies of the simulation remotely, which helped in understanding the impact of heating from black holes.



COURTESY OF ROBERT THACKER

Dark banding of the “Blackeye Galaxy” was caused by the merger of another smaller galaxy, says physicist Robert Thacker. Mergers like this frequently promote the activation of the central black hole by providing fresh material for it to accrete.

SSHRC funds grad students, knowledge networks

Seventy-three Queen's projects have been awarded \$3.3 million from the Social Sciences and Humanities Research Council of Canada (SSHRC) through the Canada Graduate Scholarships program.

Across Canada 1,200 master's students, 1050 doctoral students and 144 postdoctoral fellows are receiving a total of \$105 million in fellowships and scholarships.

The successful students were chosen by independent juries of expert researchers who rewarded

only the highest standards of academic achievement.

Introduced in the 2003 federal budget, 60 per cent of the awards in the Canada Graduate Scholarships program go to students in the social sciences and humanities – the proportion of graduate students working in these disciplines at Canadian universities. Master's students receive one-year, \$17,500 scholarships; doctoral students receive fellowships valued at \$19,000 a year for up to four years; and

postdoctoral students receive \$35,028 fellowships for a maximum of two years.

SSHRC has also announced the investment of \$14.7 million in new knowledge networks called Strategic Knowledge Clusters, which will join researchers in the fields of social sciences and humanities with government, businesses and NGOs.

Laura Cameron (Geography) is a member of the Canadian History and Environment Network which will use innovative

methods to spread knowledge about the historic roots of our current ecological situation among researchers, school children, policy-makers and the general public.

Charles Beach (Economics), Keith Banting (Policy Studies), Arthur Sweetman (Policy Studies) and Steven Lehrer (Policy Studies) are members of the Canadian Labour Research Cluster which will increase the impact of labour market research on public policy by bringing

multi-disciplinary specialists to work with government policy analysts.

SSHRC is an independent federal government agency that funds university-based research and graduate training through national peer-review competitions. SSHRC also partners with public and private sector organizations to focus research and aid the development of better policies and practices in key areas of Canada's social, cultural and economic life.

Leaders Opportunity Fund helps retain researchers

By MOLLY KEHOE

Researchers involved in projects ranging from the development of applications for secure data transmission to addressing sustainability issues facing Canada's water resources will receive \$879,819 from the Canada Foundation for Innovation (CFI) Leaders Opportunity Fund.

"The availability of funds from the CFI was a significant factor in my decision to return to Queen's," says James Stotz (Physics), who has been awarded a \$260,000 grant. "The funds will help equip my lab and lay foundations for my research here at Queen's."

Dr. Stotz's award will go towards the development of innovative spintronic devices, which have the potential to revolutionize the electronics industry. These devices will enable future electronics to be faster, more efficient, and much smaller in size.

His research will also contribute to development of applications for secure data transmission and quantum computing for faster computation of complex problems.

"Queen's researchers continue to demonstrate excellence and leadership in an impressive range of disciplines," says Vice-Principal (Research) Kerry Rowe. "With the support of CFI's Leaders Opportunity Fund, they are helping to protect the environment, advancing fundamental new computing technologies, and promoting the health and well-being of Canadians. We wish them continued success in their exciting research programs."



Canada Foundation for Innovation

Fondation canadienne pour l'innovation

The Leaders Opportunity Fund is designed to assist universities in attracting and retaining the best researchers to Canada during a time of extreme international competition for leading faculty.

The other Queen's recipients are:

Leon Boegman (Civil Engineering) – \$250,000 for his research examining the natural processes that affect hydrodynamics and water quality in freshwater lakes. Greater understanding of these processes will contribute to improved tools for

research and lake management, and will inform the development of innovative solutions to fix lake degradation

and address sustainability issues facing Canada's water resources.

Elizabeth Kelley (Psychology) – \$36,400 for her research with autism spectrum disorders in early childhood. Her work involves investigating the processes of the social, cognitive and communicative difficulties associated with autism spectrum disorders. Her research will enable earlier detection of these disorders in young children, which may contribute to more effective treatment plans.

Steven Smith (Biochemistry) – \$218,419 for his research that

examines the structure of proteins related to various applications in biotechnology, health and disease. His research aims to improve the effectiveness of medical drugs by improving their design (including use in the treatment of atherosclerosis and leukemia), and to help develop renewable fuel sources, such as cellulose-based ethanol.

Daryl Wilson (Psychology) – \$115,000 for his work to increase understanding of cognitive control mechanisms: the brain mechanisms that underlie our control over perceptions, memories, and actions. His research may better enable individuals to cope with high cognitive demand work environments, and contribute to new therapies to help people slow or prevent deterioration of cognitive control.

For a full list of new projects, visit www.innovation.ca

Science, engineering researchers awarded \$15.9 million

By ALISSA DELEY

Professors and students involved in research ranging from specialized assisted reproduction technology to motion capture and animate motion perception will receive a total of \$15.9 million from the Natural Sciences and Engineering Research Council of Canada (NSERC).

"I am delighted that Queen's researchers continue to demonstrate strong performance in the highly competitive NSERC competitions," says Vice-Principal (Research) Kerry Rowe. "The funding will ensure Queen's capacity to sustain its recognition and reputation for research excellence in a broad range of areas in

science and engineering."

"As outlined in our new Science and Technology Strategy which was released by the Prime Minister on May 17, 2007, this funding is a clear demonstration of the value we place on the ongoing research of Canadian scientists and engineers in creating a knowledge advantage for Canada," said Parliamentary Secretary Colin Carrie in making the announcement.

Niko Troje (Psychology), Canada Research Chair in Vision and Behavioural Sciences, has been awarded \$250,000 toward his research. His Biomotion Laboratory at Queen's uses high speed cameras to track the three-

dimensional trajectories of small reflective markers attached to the central joints of a person's body. When the subject moves, these seemingly unstructured white marker dots become organized into meaningful images, from which observers can determine the gender, body build, emotional state, and other attributes.

Richard Oko (Anatomy & Cell Biology) receives \$37,000 toward developing a new technique to increase the success rate of Intra-Cytoplasmic Sperm Injection (ICSI), a specialized assisted reproduction technology employed in cases where male fertility is an issue.

This innovative technique may help millions of infertile couples worldwide.

Across Canada, some 3,300 professors will receive \$458.8 million in Discovery Grants to support their research in the natural sciences and engineering.

In addition, 2,402 young university researchers – 2,148 at the graduate level and 254 at the postdoctoral level – will receive \$99.2 million to pursue their studies in these fields, while 4,296 undergraduate students will receive Undergraduate Student Research Awards worth a total of \$19.3 million to give them hands-on research experience in a laboratory.

This year also sees the introduction of the Discovery Accelerator Supplements, a new NSERC initiative to foster research excellence. With a total of \$6 million in new money, this new funding will provide significant supplements to 50 researchers in order to boost their productivity at a critical juncture in their careers.

NSERC is a key federal agency investing in people, discovery and innovation. It supports both basic university research through research grants, and project research through partnerships among universities, governments and the private sector, as well as the advanced training of highly qualified people.

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www.queensu.ca/pandemicpreparedness
for up-to-date information about influenza pandemic planning and prevention practices.

Capital cities: A work in progress

Andrew Cohen's new book, *The Unfinished Canadian*, bemoans aspects of our national character – our ignorance of our own history, an easy acceptance of mediocrity, and the corrosive effects of a tradition of demeaning public service. Yet, with a merciless critique of our nation's capital, Mr. Cohen continues another unfortunate Canadian tradition. Although he appreciates the Parliament Buildings and the Ottawa River, his harsh assessment of Ottawa's ugly architecture, dull streets, bland restaurants, ordinary neighbourhoods and awful weather set off a small blizzard of rebuttals. While local residents may dispute Mr. Cohen's bleak review of their hometown, he is probably right about the bigger picture – Ottawa is not yet a capital worthy of Canada.

But he is wrong to insist that things have become worse over the past 50 years. In fact, our research demonstrates the opposite – there have been dramatic improvements in the quality of our national capital region during the past half-century. Ottawa and Hull were a national embarrassment at the end of the Second World War. The civil service was crammed into industrial buildings abandoned due to the Depression and the collapse of the lumber industry. "Temporary" wooden office buildings remained in downtown parks and around the Supreme Court.

Housing was overcrowded and the pre-1914 streetcars were worn out.

Prime Minister William Lyon Mackenzie King pushed for a more inspiring national capital during the 1920s and 1930s, but the National War Memorial in Confederation Square was all that resulted. Mr. King rallied national support in 1944 by declaring that Canada's principal Second World War memorial would be the transformation of Ottawa and Hull into a proper capital for the middle power that was now host to embassies from around the world. The prime minister set high standards, importing France's leading urban designer, Jacques Greber, to lead the federal planning team, and by providing long-term financing and political support. Even the Calgary Herald acclaimed the project.

The Greber plan for the national capital was probably the most comprehensive and ambitious Canadian plan of the 20th century. It called for the complete transformation of the dreary industrial towns into the 1950s ideal of a decentralized metropolis – with riverside parkways, a greenbelt, new open spaces, industrial relocation, and modern suburban office parks. When the project stalled, the Senate and House of Commons provided bipartisan support; a new Western prime minister, John Diefenbaker, established a



DAVID GORDON

Expert Outlook

powerful agency, the National Capital Commission (NCC), which implemented most of the plan by 1970.

Alas, it was not enough. To everyone's surprise, dreary Ottawa's population doubled in 20 years, and then doubled again. Improvement stalled in the 1970s as the metropolitan region struggled with growth in Canada's most complex jurisdictional tangle – two provinces, three regions, scores of municipalities and little co-operation. Some rather ordinary suburbs jumped the new greenbelt and the ceremonial core of the capital languished behind a cluster of third-rate private office buildings.

The problems of building Canada's capital are not unique. Our research indicates it takes more than a century of sustained effort to develop a mature capital city for a federal nation. George Washington had a great plan pre-

pared by French artist and engineer Pierre L'Enfant in 1793, yet the city was a laughingstock throughout the 19th century. It has only just recently completed the last component of its National Mall, Douglas Cardinal's National Museum of the American Indian. Canberra's 1912 plan was only crowned by Australia's magnificent Parliament House in 1988, and that capital city has a long way to go before it matches the sophistication of Melbourne or Sydney.

Canada's NCC regrouped in the 1980s with a new idea – to concentrate national institutions in a ring that showcases the Ottawa River around Parliament Hill. Confederation Boulevard links English and French Canada with sacred aboriginal ground on the islands west of Parliament Hill.

To everyone's surprise, dreary Ottawa's population doubled in 20 years, and then doubled again.

The Museum of Civilization, National Gallery, Peacekeeping Memorial and new War Museum

were a good start, but much remains to be done before the new circuit has the critical mass of history, culture and symbols necessary to inspire our citizens. For example, the first steps have been taken to remove the toilet-paper factory opposite Parliament Hill, but the original centre on Victoria Island is stalled. The Federal Court and History Centre were cancelled by governments that inherited the proposals, and the new National Portrait Gallery is threatened with relocation to the lobby of a Calgary office building.

So perhaps Andrew Cohen is right – our collective reluctance to finish building our national capital is a disgrace. But that doesn't mean that we should abandon our incomplete capital half way through the job. Great progress has been made, and the potential is dazzlingly clear to anyone who has gazed at Parliament Hill from our Museum of Civilization. Our unfinished capital, like Mr. Cohen's unfinished Canadian, is a work in progress with magnificent prospects.

Let's take a long-term view, aim high and get on with the job.

David Gordon is a professor in the School of Urban and Regional Planning, author of *Planning Twentieth Century Capital Cities* and a forthcoming history of Canada's capital. This op-ed originally appeared in the May 22 *Globe and Mail*.

Experts address advances in human reproduction, immigration policy and tuberculosis risk

QUEEN'S IN THE NEWS

Highlights of Queen's experts in the media

■ May 19 – June 11

Adam Chippindale (Biology) comments in the *Globe and Mail* about the possibility of human reproduction without males.

Naomi Alboim's (Policy Studies) opinion piece about immigration policy in Canada is published in the *Globe and Mail*. Her expertise on immigration policy is also featured in the *Toronto Star*.

Wendy Wobeser (Microbiology and Immunology) comments in the *Globe and Mail* about risks to passengers posed by contact with a potentially fatal strain of tuberculosis.

David Gordon's (Urban Planning) opinion piece about the characteristics of our nation's capital is published in the *Globe and Mail*.

Brian Cumming (Civil Engineering) comments in the *Globe and Mail* about the increasing interest in environmental studies by incoming university students.

David Lyon (Sociology) comments about potential problems with a forthcoming federal no-fly list in the *National Post*, *Toronto Star*, *Edmonton Journal* and *Montreal Gazette*.

Bill James and Hannah Dick (Religious Studies) comment



Chippindale



Craig



Cumming



Dick



Layzell



Lyon

about the irony of Borat's American adventures in the *National Post*, *Saskatoon StarPhoenix* and *Victoria Times-Colonist*.

Agnes Herzberg and Ram Murty (Mathematics and Statistics) explain in the *Toronto Star* and *Calgary Sun* why Sudoku is fostering better math skills among Canadians and providing new challenges for academics in pure mathematics.

Richard Day's (Sociology) opinion piece about ongoing tensions between the government and militant indigenous groups in Canada is published in the *Toronto Star*.

David Layzell (Biology) comments in the *Toronto Star* about the use of charcoal as an approach to managing climate change.

Bruce Gilley (Political Studies) comments in the *Toronto Star* about Chinese espionage. He also comments in *Macleans*' magazine about social stability in China.

Thorsten Koppl (Economics) comments in the *Toronto Star* about indications of inflationary pressure in Canada.

Sudeep Gill (Geriatrics) comments in the *Toronto Star*, *Washington Post*, and on *cbc.ca* on a study that suggests the use of anti-psychotic drugs by seniors with dementia is associated with higher death risks.

Will Kymlicka's (Philosophy) comments about immigration and multiculturalism are highlighted in the *Toronto Star*.

Tom Axworthy's (Policy Studies) opinion pieces about the 2007 G-8 summit and Canada's policy on globalization are published in the *Toronto Star*. He also comments about a new video game for students based on Canadian history in a *Canadian Press* story that is picked up by the *Whitehorse Daily Star*, *Guelph Mercury*, *Prince George Citizen* and on *cbc.ca*.

Wendy Craig (Psychology) comments about the difference between bullying and being aggressive in the *Montreal Gazette*, *Guelph Mercury*, *Hamilton Spectator* and *Peterborough Examiner*.

Françoise Morissette (Policy Studies) comments in the *Montreal Gazette* about a study on leadership in Canada. She also

comments about a national leadership strategy in the *Vancouver Province*.

Jonathan Rose's (Political Studies) opinion piece about political advertising campaigns is published in the *Ottawa Citizen*.

Andrejs Skaburskis (Urban Planning) comments in the *Edmonton Journal* about inner city and high-density housing in Edmonton.

In the *Vancouver Sun*, **Julian Barling** (Business) suggests reasons why people take or leave a job.

Udo Schuklenk (Philosophy) discusses mandatory HIV testing of pregnant women in areas where the disease is highly prevalent in the *Kingston Whig-Standard* and on *CBC-Radio's As it Happens*.

Ross Kilpatrick's (Classics) research about hidden meanings in paintings such as Leonardo da Vinci's *Mona Lisa* and Gustav Klimt's *The Kiss* is highlighted in the *Kingston Whig-Standard*.

Kathy Brock (Political Studies) comments in the *Kingston Whig-Standard* about a new

movement that will stand for true Conservative values.

Ken Wong (Business) comments in the *Kingston Whig-Standard* about a summer ad campaign focusing on attracting lesbians and gays to the city to help create revenue for the tourism industry.

Stephen Pang (Anatomy and Cell Biology) comments in the *Kingston Whig-Standard* about the importance of body donation and the misconceptions associated with it.

Catherine Krull (Sociology) is interviewed about Canada's baby deficit by *Macleans*' magazine.

Purang Abolmaesumi (Computing) appears on *CTV's Canada AM* discussing a prostate cancer diagnosis project.

Niko Troje (Psychology) receives coverage on *CKWS-TV* for his human motion research.

Elsbeth Christie (Health, Counselling and Disability Services) discusses high-school student study habits and learning strategies on *Kingston's CHUM-Radio*.

NEWS and MEDIA SERVICES

To inform us of your latest research findings or upcoming journal publications, call Senior Communications Officer Nancy Dorrance, 613-533-2869, or Communications Coordinator Lorinda Peterson, 613-533-3234.

Bulletin Board

Submission information

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

Appointments

Janet Brooke reappointed Director, Agnes Etherington Art Centre

Principal Karen R. Hitchcock announces the reappointment of Janet Brooke as director of the Agnes Etherington Art Centre for a five-year term ending June 30, 2012. This announcement follows the strong recommendation of Vice-Principal (Academic) Patrick Deane and the advisory committee. An art historian with more than 25 years' experience in museum practice, Ms. Brooke was curator of European Art at the Montreal Museum of Fine Arts and subsequently senior curator of European Art and interim chief curator at the Art Gallery of Ontario before her appointment as director of the Agnes Etherington Art Centre in 2002.

Over the past five years, she has overseen many initiatives and accomplishments at the art centre across the spectrum of operations, collections, research and programming, fundraising and community and peer engagement.

In making this announcement, Principal Hitchcock thanks the members of the advisory committee.

Cynthia Fekken appointed Associate Dean, Arts and Science

Principal Karen Hitchcock announces the appointment of Cynthia Fekken as associate dean in the Faculty of Arts and Science for a six-year term beginning July 1, including a year of leave during the 2009/10 academic year.

Dr. Fekken obtained her BAH, MA and PhD from the University of Western Ontario. She was an assistant professor at Queen's from 1983 to 1986, then spent a year in Ottawa, as an industrial psychologist with the Personnel Psychology Centre of the Public Service Commission of Canada. She returned to Queen's as a SSHRC Canada Research Fellow in 1987 and has since been granted tenure and promoted to associate professor and then professor. She has served as Associate Dean (Studies) in the Faculty of Arts and Science since July 1, 2001, except for a one-year sabbatical leave in 2004 - 2005.

Dr. Fekken's research focuses on personality theory and psychological assessment, with particular emphasis on the structured personality questionnaire. Her recent work has evaluated the adequacy of self report for assessing health behaviour as well as adult personality in general. Her research has been regularly funded by the Social Sciences and Humanities Council of Canada; she has also been a co-investigator on grants from the Ministry of Health and from Physicians' Services Incorporated.

Jean Côté appointed Director, Kinesiology and Health Studies

Principal Karen R. Hitchcock announces the appointment of Jean Côté as Director of the School of Kinesiology and Health Studies

for the period of July 1, 2007 to June 30, 2013, including one year of leave.

Dr. Côté holds a BSc from the University of Ottawa, MSc from l'Université de Montréal, and PhD from the University of Ottawa, and came to Queen's in 1999 as an associate professor in Kinesiology and Health Studies.

Dr. Côté's research interests lie in the areas of children in sport, the development of expertise in sport, and coaching. He has published more than 70 refereed papers on a variety of sport psychology areas and presented over 150 papers at conferences. He was recently cross-appointed as a research fellow at the Carnegie Research Institute, Leeds Metropolitan in the UK and in the School of Human Movement Studies at the University of Queensland in Australia.

Dr. Côté has served on several committees at Queen's and has been the acting Director, Kinesiology and Health Studies since July, 2005.

William S. Morrow appointed Head, Religious Studies

Principal Karen Hitchcock and Principal Jean Stairs (Queen's Theological College) are pleased to announce the appointment of William Morrow as head of the Department of Religious Studies from July 1, 2007 to June 30, 2010. After completing his PhD in Near Eastern Studies at the University of Toronto, Dr. Morrow joined Queen's Theological College and Religious Studies in 1987 as professor of Hebrew and Hebrew Scriptures.

His research interests lie in the area of religion and violence and the exploration of protest, complaint and lament in the biblical tradition. In 2001, he was the first Canadian to receive the Association of Theological Schools Lilly Faculty Fellowship and in 2006 was the Catholic Biblical Association of America Visiting Professor at École Biblique et Archéologique Française, Jerusalem, Israel.

Dr. Morrow has served on two previous occasions as acting head of Religious Studies (2002 and 2004). In making this appointment, Principal Hitchcock and Principal Stairs thank the members of the advisory committee and express appreciation to Pamela Dickey Young for her exemplary service as department head from 1996 to 2007.

Susan Marlin appointed Director, Research Services

Vice-Principal (Research) Kerry Rowe announces the appointment of Susan Marlin as director of the Office of Research Services for a five-year term, effective June 4. The appointment comes on the unanimous recommendation of the advisory committee.

Ms. Marlin has served as associate director, Research Services since July 2003. Previously, she worked with the National Cancer Institute of Canada Clinical Trials Group at Queen's. In her role as associate Director, Susan was responsible for providing leadership and support in managing the human, financial and physical resources of ORS, the development of research programs and policy implementation, as well as identifying strengths and strategic directions for the office. Susan carried significant responsibilities in the area of grants compliance and has provided administrative leadership and support to the

human ethics boards serving Queen's and the affiliated teaching hospitals.

In making this announcement, Vice-Principal Kerry Rowe thanks Lorna Jean Edmonds for her strong leadership and significant contributions to the University during her term as Director, Research Services.

Tracy Trothen appointed Head, Theology

Principal Jean Stairs, Queen's Theological College, announces the appointment of Tracy Trothen as head of Theology for a three-year term beginning Aug. 1.

Dr. Trothen received her ThD from Emmanuel College at the University of Toronto and her M.Div from Queen's Theological College. She served as assistant professor of Theology at the University of Winnipeg from 1998-2002.

Dr. Trothen's teaching is supported by a longstanding practice as an associate supervisor, Clinical Pastoral Education and specialist in Institutional Ministry. Her research focuses on theology, spiritual care and ethics. From 1995 to 2004 she served The United Church of Canada as a member of General Council's Committee on Sexual Abuse and Child Abuse. In 2006 she was the recipient of The Davidson Award for Excellence in Teaching and Scholarship in Theological Education.

Dr. Trothen brings considerable administrative experience to the position having served as field education director and on several committees, including the Theological College's Research Ethics Board. In making this announcement, Principal Stairs thanks Marguerite Van Die for her exemplary leadership during her three years as head of Theology.

Awards and Grants

Honorary degree nominations for 2008

The Senate Committee on Honorary Degrees invites nominations for the award of honorary degree at the 2008 Convocations. Information and nomination forms are available at www.queensu.ca/secretariat/HonDegre.html Deadline: Friday, Aug. 10.

Committees

Headship search, Anesthesiology

John Cain's second term as head, Anesthesiology will end on June 30, 2008. Karen Hitchcock, Principal of Queen's University, Hugh Graham, Executive Director of Hotel Dieu Hospital, Joseph de Mora, President and Chief Executive Officer of Kingston General Hospital, and Cathy Dunne, President and Chief of Executive Officer of Providence Care, have established a joint Search Committee to provide advice on the Headship of the department of Anesthesiology and on the present state and future prospects of the department. The composition of the Committee is as follows: Jason Erb, Ian Gilron, JoAnn Nielsen and Lindsey Patterson, Department of Anesthesiology; Marnie Dahl and David Pichora, Hotel Dieu Hospital; Peter Munt and Eleanor Rivoire, Kingston General Hospital; David Zelt, Surgery and Kingston General Hospital; Catherine Cahill, Pharmacology and Toxicology; Roumen Milev, Providence Care Mental Health Services; Dale Mercer, Surgery; Edward Cheung, Undergraduate Medical Student; John Jeffrey (Chair) and Gail Knutson

(secretary), Faculty of Health Sciences.

Faculty, staff, students and all other members of the University and hospital communities are invited to submit their opinions in writing on the present state and future prospects of the department and the names of possible candidates for the headship to Dr. Jeffrey c/o Gail Knutson, Macklem House, 18 Barrie Street, or by e-mail at gail.knutson@queensu.ca. Respondents should state whether their letters may be shown in confidence to the members of the search committee.

Human Resources

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. For more information, visit www.queensu.ca/eap

Employee group life and health premiums changes

Group insurance premiums change each year on July 1. The new rates have been adjusted to reflect Queen's utilization and current cost trends.

Basic Life Insurance

The rate for basic life insurance has reduced to \$0.264/\$1,000 of coverage per month. Participating employees will pay \$0.119/\$1,000 of coverage per month while the university will pay \$0.145/\$1,000 of coverage per month.

Dental

Rates for this benefit remain the same at \$10.89 per month for single coverage and \$28.34 per month for family coverage. These rates represent 25 per cent of the total premium with the remaining 75 per cent paid by Queen's University.

Long Term Disability

The new rate is 0.97 per cent of monthly salary. This benefit is fully paid by participating employees. As a result, income from this benefit is tax free.

A Footnote on Health

Life Transitions: Changing with the times



Growing older can be a unique time in your life, letting you spend more of your time with the people and pastimes you love. Being prepared for this time in your life and knowing what to expect can help you embrace changes with a positive outlook.

Broaden your brain's horizons.

Exploring new activities can actually help stimulate your brain and keep your mind sharp. Become a life-long

learner: read that book, sign up for that course or

work on that advanced Sunday crossword.

Contribute. Volunteering and sharing your wisdom are great ways for you to maintain a connection and contribute to the community. Let your life experiences make you a valued resource to others around you. Whether it's packing boxes at the local food bank, reading stories to children at the library or offering advice to a new mom, helping others feels good at any age.

Socialize and connect. Taking part in recreational and social activities with friends and family goes a long way in maintaining those important relationships and reducing the sense of isolation that may exist among older adults. Talk to others regularly about your thoughts and feelings.

Be aware. As people grow older, they often experience changes in their bodies and overall health. Some normal effects of aging include general fatigue, stiffness or aching in joints, changes in sleep patterns, slower walking pace, decreased sense of balance, and decline in eyesight. Be alert to the changes you are experiencing and follow up with a doctor with any concerns you may have.

Eat healthy. Good nutrition can make a difference to your physical and mental health at any age. Along with ensuring that diets include all four food groups – grain products, fruit and vegetables, milk products and meat and alternatives – older adults may also need to take supplementary vitamins and minerals. Additional calcium and vitamin D can keep bones strong and reduce the possibility of osteoporosis; iron, vitamin B12, are essential nutrients that are often lacking in the diets of people over 55; and a reduced fat intake can lower the possibility of heart disease.

Exercise regularly. Although people often lose agility and muscle strength as they age, maintaining a regular exercise routine can yield significant benefits. Even moderate physical activity for 30 minutes, three times a week can prevent bone density loss and improve circulation, appetite and mobility. Try swimming, walking around the local park or mall, or taking exercise classes to keep up your fitness.

Growing older can be an exciting time in your life if you're prepared and know what to expect. With a positive mindset and some self-reflection, aging can be an experience that's not only admired but celebrated. If you find yourself struggling with changes or events in your life, contact your EAP professional for additional support.

The Queen's Employee Assistance Program (EAP) is a confidential off-site support service available to faculty and staff.

Optional Life Insurance

Rates for optional life insurance have decreased and are as follows:

| Age | Premium |
|-------|----------------|
| 0-39 | \$0.06/\$1,000 |
| 40-44 | \$0.12/\$1,000 |
| 45-49 | \$0.20/\$1,000 |
| 50-54 | \$0.32/\$1,000 |
| 55-59 | \$0.55/\$1,000 |
| 60-64 | \$0.79/\$1,000 |
| 65-70 | \$1.03/\$1,000 |

This benefit is fully paid by participating employees.

Semi-Private Hospitalization

Rates for this benefit remain unchanged and are \$7.25 per month for single coverage and \$18.89 per month for family coverage. This benefit is fully paid by participating employees.

Supplementary Medical

As of July 1, 2007 the university has assumed 100 per cent of premium costs for all employee groups. This includes coverage for Global medical care (Out of Canada emergency care) and Visioncare.

For information on premium and benefit coverage details, check the benefits section of the Human Resources web site at www.hr.queensu.ca/benefits/benefits.php or call 613-533-2070.

Notices

QUFA members applying for renewal, tenure, promotion or continuing appointment

Under the terms of the collective agreement between Queen's University and Queen's University Faculty Association (QUFA) for faculty, librarians and archivists, Sept. 1, 2007 is the deadline for regular faculty to apply for renewal, tenure or promotion; librarians and archivists to apply for renewal, continuing appointment or promotion; term adjuncts to apply for promotion and a continuing appointment; and continuing adjuncts to apply for promotion. Members must notify their unit head of their intent to apply for renewal, tenure, continuing appointment, or promotion by July 1, 2007.

Four Articles in the Collective Agreement are relevant to these procedures:

- Article 24 – Employment Equity
- Article 30 – Renewal, Tenure and Promotion for Tenure-Track and Tenured Faculty Members
- Article 31 – Renewal, Continuing Appointment and Promotion for Librarian and Archivist Members
- Article 32 – Personnel Procedures for Adjunct Faculty Members.

PhD Examinations

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

Monday, June 18

Meghan Patricia Provost, Department of Psychology. The Role of Ovulation in Human Sexual Interactions. Supervisor: V.L. Quinsey, 228 Humphrey Hall, 9 am.

Tuesday, June 19

Kyle Ross Hodder, Department of Geography. The Process-Network of Alpine, Glacier-Fed Lakes with Particular Reference to Flocculation. Supervisor: R.E. Gilbert, E310 Mackintosh-Corry Hall, 9 am.

Jeremy Scott Bradbury, School of Computing. Using Program Mutation for the Empirical Assessment of Fault Detection Techniques: A Comparison of Concurrency Testing and Model Checking. Supervisors: J.U. Dingel, J.R. Cordy, 524 Goodwin Hall, 10 am.

Thursday, June 21

Xiaoqiang Han, Department of

BULLETIN BOARD continues on page 15

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BRUCE JOHNSON, HABITAT FOR HUMANITY

Office of Advancement teams rush to see how many cans they can crush in the office's version of "The Amazing Race," part of the Advancement Enhancement Day. This year's designated charity, Habitat Kingston, reaped the rewards of the day's efforts. Advancement helped the charity toward its goal of collecting one million aluminum cans by April 1, 2008. Alcan will award three house sponsorships of \$60,000 each to the top three Canadian Habitat for Humanity affiliates with the greatest number of aluminum cans collected.

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QUEEN'S HONOURS ISABEL BADER



STEPHEN WILD

Chancellor Charles Baillie (left) bestows an honorary LLD on Queen's benefactor Isabel Bader, as Dean of the Faculty of Arts and Science Alistair MacLean hoods her. Also at the June 1 convocation, the very last to take place in the Jock Harty Arena, Chancellor Baillie presented the new Baillie Awards for Excellence in Secondary School Teaching. The award enables students graduating from Queen's to honour educators who, during the students' high school careers, influenced them and set them upon the course which brought them first to Queen's and subsequently to graduation. Diana Speranza (below, left) was nominated by Matthew Wyman-McCarthy of Mississauga and Teresa Racco of Brampton, who graduated with a BA (Hons). Rita Gideon was nominated by Michelle Giroux of Richmond Hill, who graduated with a BA (Hons).



STEPHEN WILD



STEPHEN WILD

Disraeli Project director receives honorary degree

PEOPLE

Mel Wiebe (English, Disraeli Project) received an honorary degree June 6 at convocation ceremonies at the University of Manitoba. In his citation, Professor Wiebe is recognized as the world's foremost authority on the subject of Benjamin Disraeli's political and literary careers. See umanitoba.ca/convocation/Wiebe.shtml



Wiebe

A book by **William Morrow** (Religious Studies) *Protest against God: The Eclipse of a Biblical Tradition*, was awarded the 2006 R. B. Y. Scott Award during the Annual Canadian Society of Biblical Studies dinner, recently in Saskatoon. The award recognizes an outstanding book in the areas of Hebrew Bible and/or the Ancient Near East written by a member of the CSBS and published during the previous two years. Details on the award are at www.ccsr.ca/csbs/ScottAward.html

Professor Emeritus **Alvaro Morales** (Urology and Director of the Centre for Applied Urological Research) was recently honoured with the Hugh Hampton Young Award for his distinguished contribution "to the advances in



Laker

bladder cancer treatment and training of numerous academic urologists." He is the first Canadian to receive the award which he received at the annual meeting of the American Urological Association in Anaheim, CA. "This is the most prestigious honour that the American Urological Association awards and Dr. Morales is the first Canadian to receive it," says James Wilson, head of the Department of Urology. "It recognizes the significant contributions that he has made to Urology over a very distinguished career."

Associate Vice-Principal and Dean of Student Affairs **Jason Laker**

will serve as the Scholar-Practitioner in Residence for the Men & Masculinities Knowledge Community in the National Association of Student Personnel Administrators (NASPA). Under this professional designation, he will develop annual goals and objectives related to best practice in support of men's development, learning and success outcomes as well as act as a general advisor on areas of scholarship and practice that need more attention.

People is an occasional column celebrating the achievements of Queen's community members. Email submissions to gazette@queensu.ca



COURTESY OF JOHN SMOL

When Biology professor John Smol was awarded an honorary degree from the University of Helsinki recently, he also received a gold sword and top hat to mark the occasion. The three-day ceremony included dinners, a ball, a cathedral service and lectures by the degree recipients. Dr. Smol's citation reads, in part: "John P. Smol is internationally recognized as one of Canada's foremost biologists and environmental scientists, and is considered to be the world's leading paleolimnologist. He leads a group of approximately 30 researchers in studying a wide range of biological and environmental issues, including the effects of climate change on lake ecosystems; lake acidification, taste and odour problems in Canadian drinking water supplies; contaminant transport in aquatic systems... as well as other environmental stressors."

Sustainability

continued from page 1

campus mailing of a bulletin related to proper computer energy management, including recommendations to turn computers off at night and to use energy management software settings on computers

- Implementation of energy-efficient building techniques and materials in new construction

- LEED certification for Queen's new School of Kinesiology and Health Studies (part of Phase 1 of the Queen's Centre) and potentially the new addition to Goodes Hall

- Scheduling by PPS of on-off times for heating, ventilating and air conditioning systems in various buildings on evenings and weekends where appropriate to help to conserve energy

- Purchasing of high-efficiency

motors for buildings systems

The university's efforts are paying off. Queen's, which holds the chair position on the University Energy Committee representing all Ontario universities, currently ranks third best in the province on an energy use per square metre (GigaJoule per square metre or GJ/m²) in comparison with other universities.

But there is no sense of complacency. "We are also exploring the economics of various alternative energies to determine if any are appropriate for implementation on campus," says Mr. Witjes.

Last month, Queen's added a new element to its list of recyclables.

The university disposes of an estimated 20,000 burnt out fluorescent tubes annually. In the

past, burnt out tubes were dropped in dumpsters and ultimately sent to landfill. Given these numbers, even small amounts of mercury remaining in the discarded tubes pose a potential hazard to humans and animals. Since April, PPS has been collecting the tubes and Environmental Health & Safety has consolidated them at the Waste Transfer Station. They are then sent to a contracted supplier to reclaim and recycle the unspent mercury. The first batch was shipped for recycling in May.

Generally speaking, "sustainability is "a broad and complex concept with countless definitions," says Dan Langham, Director of Environmental Health and Safety.

It requires a balancing act between what is ideal and what is feasible, something that is particularly true when the university faces the challenge of incorporating sustainability practices within the constraints of the building code and other required standards when constructing or renovating buildings. It may be necessary for the university to target areas where campus stakeholders can realistically make a difference without prohibitive cost or effort.

The campus is highly decentralized with many pockets of decision-making power and levels of accountability, says Mr. Langham. The challenge is to develop "a culture of sustainability" that encourages all facets of the university to engage in

education, research, policy formation, and information exchange that foster commitment to a sustainable campus.

"Queen's has the opportunity to be a leader in the areas of environmental management and sustainability, making this a positive feature for students, faculty and staff to choose Queen's," says Mr. Simpson.

"The use of resources, the impact on the environment and the social responsibilities of organizations are increasingly important to all members of the community.

"Any university that does not acknowledge and respond appropriately to these issues risks a declining level of support from the community, and from students."