



UNIVERSITY OF
TORONTO

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PRINCE OF WALES PLEASURES CROWD AT VARSITY CENTRE

BY ELAINE SMITH

It was easy to track Prince Charles' path through U of T's Varsity Arena on Nov. 5 — one had only to follow the mob of soldiers and camera flashes.

The Prince of Wales and Duchess of Cornwall were feted at the university last week following a military ceremony held at Varsity Centre. The couple is making an 11-day visit to Canada that takes them from Newfoundland to Victoria with stops in Toronto, Ottawa and Montreal.

Varsity Centre was awash in colour and sound as the evening began with a military ceremony that included Prince Charles' review of the troops and presentation of new colours to the Royal Regiment of Canada and the Toronto Scottish Regiment, two local reserve regiments under his command. The soldiers of the Royal Regiment, resplendent in scarlet tunics and black pants, marched onto the field along with their Toronto Scottish comrades, garbed in kilts and bonnets, to the sounds of pipes, drums and brass offered up by the bands of the two units.

The stands held eager spectators of all ages and stripes, from elderly men wearing Scottish bonnets to children bundled into down coats who were waving tiny Canadian flags.

President **David Naylor** and **Jack Petch**, chair of Governing Council, greeted Prince Charles and Duchess Camilla upon their arrival and joined them on the dais for the formal ceremonies. The prince, wearing the uniform of colonel-in-chief of the Royal Regiment of Canada, reviewed the troops arrayed on the field, stopping occasionally to chat with individual soldiers, then presented the new

• • • PRINCE ON PAGE 4



Charles, Prince of Wales (right), reviews the troops at Varsity Centre Nov. 5 while dressed in the uniform of colonel-in-chief of the Royal Canadian Regiment.

U of T major player in 2015 Pan Am Games

BY ALTHEA BLACKBURN-EVANS

Toronto's successful bid for the 2015 Pan/Parapan American Games will bring several sporting competitions to the University of Toronto, translating into major new sport and recreation facilities, enhanced opportunities for U of T students and the community and further momentum for the university's high performance sport agenda.

U of T Scarborough (UTSC), set to host the aquatics and fencing events, will partner in the largest sports infrastructure project associated with the Games, a \$170-million complex that will feature two Olympic-sized pools, a 10-metre diving tank and a state-of-the-art multi-sport field house. The downtown campus, which will host field hockey, futsal and football (soccer) competitions as well as the Parapan Am opening and closing ceremonies, will benefit from the installation of a world-class double artificial turf field on its back campus and turf upgrades at Varsity Stadium.

"The 2015 Pan Am Games create

• • • PAN AM ON PAGE 4

A different kind of Remembrance Day



BY ANJUM NAYYAR

Bruce Rolston, manager of U of T's alumni and friends web space, will have a much more personal attachment to Remembrance Day this year after spending seven and a half months as an intelligence officer for the Canadian Forces in Afghanistan's Kandahar province. After returning home this past spring, he has a lot more to say about what Canadians are doing and the impact they're having in the region.

"It is going to be a little different for me now because I have actual people that I knew who were lost to remember," he said, looking ahead to Nov. 11. "It's going to be a much more personal day for me, I think. I'm certainly more appreciative than I was before. There are so many people that I know who came back and I'm also thankful for that."

As one of 200 intelligence officers, Rolston, who was part of the opera-

tional and mentoring liaison team, worked at integrating the Afghan army brigade into western organizations to increase their survivability.

"I would spend 60 per cent of my waking hours inside Kandahar field and 20 per cent in an Afghan army camp down the road and the other 20 per cent someplace in the sticks."

He said in his position he worked a lot with local Afghans — some of whom have left a lasting impact on him.

"I was meeting with the father of an Afghan interpreter who had been betrayed and killed by the insurgents; he had been working with Canadians. The body had a note pinned to it along with a certificate showing whom he had worked for," Rolston said. "The father wanted the note back with the certificate so I made a point of going out with my interpreter and meeting with him and we had a brief chat. It

• • • DIFFERENT ON PAGE 4

LETTER FROM THE EDITOR

As a large ...

university located in Canada's biggest city, the University of Toronto often takes knocks for being an unwelcoming place for students. Those of us who are employed at U of T wince when we hear such slurs because our work experiences contradict these complaints. To many of us, U of T is like a small town. As we walk the streets of campus, we see familiar, friendly faces and we know that staff and faculty are working hard to make students feel similarly at home.

Stories in past issues of *the Bulletin* have detailed many of these efforts, including the Vic One and Trinity One programs and first-year learning communities. In this issue, you'll read about another effort, creation of a student lounge — or home away from home — at Woodsworth College (see page 7). Like the lounges at many of the other colleges, the new Kruger Hall Commons, designed by U of T architect George Phelps, is a place for both commuter and residential students to relax, study or eat between classes. There are comfortable chairs, tables and wireless access, plus a food vendor nearby — all the essentials for a popular student hangout.

Another wonderful effort to welcome students to the U of T community is a program run by alumni affairs. Dinner With 12 Strangers began last year and is growing in popularity. The concept is simple: take one U of T alumnus/a, ask him or her to prepare dinner at home or in a designated venue, invite a selection of students and perhaps a staff or faculty member and voilà! You not only have the recipe for a good meal but for a delightful evening of conversation, connection and budding friendships.

I attended one of the dinners this week and I haven't stopped smiling since. The students were well spoken, friendly and thrilled by the prospect of both good company and a home-cooked meal. The hostess was charming, funny and welcoming. A good time was had by all ... everyone lingered long past the appointed hour. But don't take my word for it — sign up to participate at www.alumni.utoronto.ca/dinnerwith12.

Kudos to these attempts to combat student isolation and loneliness. There are undoubtedly more great ideas to come.

Cheers,



Elaine Smith

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The top and sidebar art on the front page is composed of images of Soldiers' Tower on the St. George campus.



AWARDS & HONOURS

FACULTY OF APPLIED SCIENCE & ENGINEERING

Professor Kim Pressnail of civil engineering is the winner of a Canada Mortgage and Housing Corporation 2009 Excellence in Education Award for the Promotion of Sustainable Practices, recognizing outstanding educational contributions to sustainable practices in the fields of architecture, planning, landscape architecture, urban design, geography, engineering and environmental studies. Pressnail was honoured for his role in redesigning civil engineering's curriculum to integrate and emphasize sustainability concepts and for the development of a certificate program in building science at the School of Continuing Studies.

GERSTEIN SCIENCE INFORMATION CENTRE

The Gerstein Reading Room garnered an honourable mention in the William Greer Architectural Conservation and Craftsmanship category at the Heritable Toronto Awards, presented Oct. 13 at the historic Carlu. This category honours projects that have restored or adapted buildings or structures that have been in existence for 40 years or more. In addition to the quality of craftsmanship, appropriateness of materials and the use of sound conservation principles, the jury considered how well the project meets current needs while maintaining the integrity of the design. The renovations were executed under the supervision of Diamond + Schmitt Architects.

OFFICE OF THE VICE-PRESIDENT (HUMAN RESOURCES AND EQUITY)

Myra Lefkowitz, manager of health and well-being programs, is the winner of a Who's Who in Workplace Health Award, designed to honour individuals and organizations that have demonstrated leadership and innovation in workplace health. Lefkowitz was one of two winners in the employer category. Lefkowitz, her team and her colleagues throughout the university, along with the Family Services Association employee assistance program, are

cited for having not only tackled all aspects of wellness but also influenced perspectives, from the individual to the institutional.

ROTMAN SCHOOL OF MANAGEMENT

Professor Gary Latham, Secretary of State Professor of Organizational Effectiveness, has been selected to receive the James McKeen Cattell Fellow Award for 2009-2010, given by the Association for Psychological Science. The highest award conferred by APS, it recognizes APS members for a lifetime of outstanding contributions to the area of applied psychological research. Latham's research findings have set the standard for goal setting theory and influenced an entire generation of researchers interested in employee motivation in general and goal setting theory in particular. Latham will be recognized during the annual convention May 27 to 30 in Boston.

Greta Sheker, director of the initiative for women in business, is a winner the International Alliance for Women's (TIAW) 2009 World of Difference 100 Award, recognizing women whose efforts have advanced the economic empowerment of women locally, regionally or worldwide. Sheker is cited as an extraordinary champion for women in business through the initiative for women in business, now in its second year. It offers eight programs and workshops for women in positions ranging from entry level to middle management to the board level. The awards were announced Oct. 10 in Toronto.

OFFICE OF THE VICE-PRESIDENT AND PROVOST

Professor Cheryl Misak, vice-president and provost, is the University of Lethbridge's 2009 Distinguished Alumna of the Year for her outstanding academic and professional achievements. Misak, internationally renowned for her academic excellence, received the award Oct. 17 during convocation ceremonies. She graduated from the University of Lethbridge with great distinction in 1983 with a BA in philosophy and in 1984 completed her MA at Columbia University. As Lethbridge's first Rhodes Scholar, she attended the University of Oxford and completed her doctorate in 1988 before beginning her career with U of T in 1990 as a professor of philosophy.

COMPILED BY AILSA FERGUSON

U of T benefits from Ontario Research Fund

BY JENNY HALL

John Milloy, Ontario minister of research and innovation, was on campus Oct. 28 to announce funding for stem cell research as part of the Ontario Research Fund-Research Infrastructure Program. The funding comes as part of nearly \$0.3 billion invested in research infrastructure at the University of Toronto and partner hospitals to support their world-class research and help make Ontario and Canada global leaders in the innovation-based economy of the 21st century.

The province highlighted its \$9.932 million investment in the Ontario Initiative in Personalized Stem Cell Medicine, a project led by University Professor **Janet Rossant** of molecular genetics and obstetrics and gynecology and the Hospital for Sick Children. Her team of 30 world-renowned stem cell researchers will use some of the

most advanced technologies on the planet to develop cutting-edge healthcare products. The initiative will also develop intellectual property and work with local and international partners on commercialization of products.

The funding is part of a wider investment totalling \$290 million for U of T and its partner hospitals — \$135 million from the Canada Foundation for Innovation (CFI), \$104 million from the Government of Ontario through the Ministry of Research and Innovation (MRI) and \$52 million from institutional and other partners.

This is a huge success for U of T and the hospitals," said Professor **Paul Young**, vice-president (research). "Together we have earned 20 per cent of the total funding available nationally from CFI and over 40 per cent of the funding provided by MRI. I'm especially gratified because the projects

we submit are subject to rigorous excellence-based peer review. This is confirmation that our researchers are carrying out world-class groundbreaking work that will contribute to social and economic impacts for Ontario and Canada."

The provincial portion of the funding, through the Ontario Research Fund, is part of the province's plan to move research from the lab to the marketplace.

In addition to Rossant's project, the province invested in 15 other campus-based projects and 10 hospital-based projects.

CORRECTION

In the Oct. 27 issue of *the Bulletin*, we confused composer Howard Shore's name with that of writer/producer David Shore. *The Bulletin* apologizes for its error and any consternation it may have caused.

U of T ranks 10th for best places to work in academia

BY LAURIE STEPHENS

U of T has been named the 10th best international academic institution in *The Scientist's* seventh annual Best Place to Work in Academia rankings in 2009.

The magazine surveyed 2,355 respondents worldwide who identified themselves as life scientists with a permanent position in an academic, hospital, government or research organization. The magazine ranked a total of 119 institutions — 94 from the United States and 25 from the rest of the world. U of T placed 10th in the international portion of the standings. Princeton University placed first among U.S. institutions.

“The University of Toronto is home to outstanding academics in all fields of study and research and we are delighted that they find our workplace environment to be so supportive of their work,” said Professor **Angela Hildyard**, vice-president (human resources and equity).

Institutions were ranked based on unweighted average scores for eight categories of statements included in the survey. These were: job satisfaction; peers; infrastructure and environment; research resources; pay; management and policies; teaching and mentoring; and tenure and promotion.

U of T has performed well in a number of prestigious rankings this year that have focused on the university's research performance compared with its international and domestic peers. These results include:

- 11th in rankings compiled by the Higher Education Evaluation and Accreditation Council of Taiwan (HEEACT);
- 13th-place finish in ScienceWatch.com;
- fourth in SCImago Institutions Rankings;
- ninth in the *Times Higher Education* - QS World University Rankings that surveyed almost 10,000 international academics about the reputation of 621 universities worldwide; and
- first in the medical/doctoral category in Research Infosource Inc. rankings.

The Scientist, the magazine of the life sciences, has provided print and online coverage of the latest developments in the life sciences, including trends in research, new technology, news, business and careers, for 22 years.



Nobel laureate Harald zur Hausen (second from left) enjoyed a chat with senior lecturer Corey Goldman (left) of ecology and evolutionary biology and his students, Taryn Vandenburg and William Fung, during the recent Gairdner Awards events at the university.

Gairdner 50th anniversary a success

BY ANJUM NAYYAR

The Gairdner Foundation 50th Anniversary Symposium at U of T Oct. 28 to 30 was a resounding success, said organizers and participants.

Twenty-three Nobel Prize winners attended or participated in the series of lectures and panel discussions on topics that ranged from the personalized genome to stem cell research to global health issues to chronic disease. The foundation, sponsor of the Canada Gairdner Awards, held a dinner celebrating their 50th anniversary and the three-day event concluded with a public lecture at Convocation Hall entitled *The Personal Genome: Do I Want to Know?*

The prestigious Gairdner Awards recognize the achievements of medical researchers whose work has contributed to improving the quality of human life. Of the 298 individuals from 13 countries, including 42 Canadians, who have received Gairdner Awards, 73 have subsequently gone on to win the Nobel Prize.

“We’re extremely happy with the way everything went. It was a huge undertaking and all the events were

overflowing in attendance,” said Professor Emeritus **John Dirks**, president and scientific director of the Gairdner Foundation. “The quality of the science was amazing. There were several unique features this time that were a great success, including the global health symposium and the sessions in Convocation Hall.”

“There were 1,500 people there on the final day. It’s very rare to have so many top scientists at one time in one room,” said Professor **Peter Lewis** of biochemistry and vice-dean (research and international relations) at the Faculty of Medicine and co-chair of the foundation’s medical review panel.

Dirks noted that there was a certain amount of pressure associated with putting on an event that commemorated 50 years of the awards.

“You’re always worried about things going wrong at the last minute,” he said. “There was a tremendous amount of work that went into it. But we also appreciated greatly working with the University of Toronto.”

One of the special events held during the week was a luncheon for Nobel laureates, Gairdner awardees and

students. The president’s office arranged for a number of U of T professors to bring outstanding students to dine with these top scientists.

For **Corey Goldman**, senior lecturer and associate chair (undergraduate) in the Department of Ecology and Evolutionary Biology, it was a chance to bring two of his first-year biology students to the luncheon where they were able to sit at a table with Elizabeth Blackburn, the 2009 Nobel Prize winner in medicine, and Chancellor David Peterson.

“It was an incredible opportunity for the students,” said Goldman. “Dr. Blackburn was very interested in what the students were interested in and what they hope to do in their careers. The students found her very inspiring.”

“It’s a rare chance to meet some of the top minds in biomedical research in the world. Eventually, one of her handlers had to say, ‘We have to go now’ but she could have chatted with us for hours.”

The Gairdner Foundation is the only national organization that consistently brings the world’s best biomedical researchers to Canada to share their ideas and work with scientists across the country.

U of T top Canadian university for academic research

BY LAURIE STEPHENS

U of T’s strong academic and research performance ranks among the best in the world — and the best in Canada — a prestigious international rankings body announced Oct. 30.

U of T ranked 27th, the best of any Canadian university, in Shanghai Jiao Tong University’s annual Academic Ranking of World Universities report. Released Oct. 29, the report analyses 1,200 universities on research output, the quality of faculty and the quality of education.

U of T finished 24th in these rankings last year and 23rd in 2007.

“This ranking is further affirmation of the quality of U of T’s faculty and students and their relentless focus on academic excellence and discoveries of real importance,” said Professor **Cheryl Misak**, vice-president and provost. “We’re very honoured to be recognized by our international peers as being among the best research universities in the world.”

The university also fared well in Shanghai’s ranking by field and by individual subject. In particular, U of T finished eighth in the world in the subject of computer science and 19th internationally in the field of engineering, technology and computer sciences.

Shanghai Jiao Tong ranks universities by measuring several indicators of academic or research performance.

“We’re very honoured to be recognized by our international peers as being among the best research universities in the world.”

- Professor Cheryl Misak

These include alumni and staff winning Nobel Prizes

and Fields Medals; highly cited researchers; articles published in *Nature* and *Science*; articles indexed in major citation indices; and the per capita academic performance of an institution.

Harvard University was the top university in the rankings, followed by Stanford University and the University of California, Berkeley.

Since Shanghai Jiao Tong’s rankings began in 2003, U of T has consistently ranked in the top 30 of the world’s best universities and has consistently been the top Canadian performer.

For full results of the Shanghai Jiao Tong University rankings, go to www.arwu.org/.

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UPCOMING SESSIONS

Negotiations
November 11, 2009, 5:30-6:30pm

The art of negotiation touches every aspect of our lives, and is equally important in business - we routinely negotiate with our customers, suppliers and investors. Learn how to effectively parlay this art into a useful skill in your own ventures.

Speaker: Michael Erdle, Managing Partner, Deeth Williams Wall

Lived-it Lecture: Better the World
November 18, 2009, 5:30-6:30pm

Join Mark Bachman and Steve Croth of Better The World Inc. as they recount their experiences in running a successful social venture.

Speakers: Mark Bachman, Co-Founder, Better The World Inc., Steve Croth, Co-Founder, Better The World Inc.

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2009 F.E.L. PRIESTLEY MEMORIAL LECTURES IN THE HISTORY OF IDEAS

The Materiality of Devotion in the Late Middle Ages

Caroline Walker Bynum
Professor of Medieval European History, Institute for Advanced Study, Princeton University Professor Emerita, Columbia University

Tuesday, December 8
Weeping Statues and Bleeding Bread: Miracles and Their Theorists

Wednesday, December 9
Living Synecdoche: Parts and Wholes in Medieval Devotion

Thursday, December 10
The Materiality of the Visual: How Did Medieval People See?

4:30 p.m., Room 140, University College
15 King's College Circle, University of Toronto

Members of the faculty, staff, students and the public are cordially invited.

A different kind of Remembrance Day



COURTESY OF BRUCE ROLSTON

Bruce Rolston (right), manager of U of T's alumni and friends web space, served in Afghanistan this past year, making Remembrance Day especially meaningful.

CONTINUED FROM PAGE 1
really hit home for me that there are all kinds of losses in these circumstances.

"The only thing we underestimate is the efforts of the local civilians who work with us. Some of the ones who work for us, their names aren't going to be on a memorial somewhere. Some of these wonderful young men, who worked with us, is there something more we should be doing to help them out? That's something I'll be thinking about on Nov. 11."

As a staff member at U of T, he has gone to the university's annual service of remembrance

regularly in the past. This year, he hopes many members of the university community will join him. He said the service is one of the times people can pay their respects and also take a moment to think about the day, even if they don't have direct ties to the military.

On the St. George campus, the annual service to remember the faculty, staff, alumni and students who fell in the First and Second World Wars and other action will take place at the foot of Soldiers' Tower on Nov. 11 at 10:15 a.m.

The service includes the recitation of the poem

In Flanders Fields, written by U of T alumnus John McCrae, the singing of traditional hymns, readings, laying of wreaths, The Last Post, The Lament, Reveille and the royal and national anthems. A reception in the Great Hall of Hart House follows the service and the Memorial Room museum in Soldiers' Tower is open for visitors.

Services at U of T Scarborough take place at 10:45 a.m. at the Meeting Place with a reception to follow. The UTM service will be held at the front of the South Building at 10:50 a.m.

Prince of Wales visits Varsity Centre

CONTINUED FROM PAGE 1
colours to each regiment and looked on as they were consecrated.

"I know that, as always, you will guard and uphold the traditions and principles enshrined within these colours," the prince told the assembled soldiers, noting that the opportunity to review the troops of the Toronto Scottish Regiment was especially meaningful since it had formerly been associated with his late grandmother.

Expressing his solidarity with the families of the troops as a father of two serving officers and as colonel-in-chief of 22 regiments, he said, "To the

families here this evening and, indeed, to all the families of the Canadian Forces, I would like to express my deep gratitude for the unwavering support you have given. ..."

The troops and their families returned his regard during the Varsity Arena reception. The prince and the duchess arrived there after signing the university's guest book during a private gathering in the new Varsity Pavilion. Soldiers of all ages crowded around him excitedly from the moment he entered the arena until he departed. He graciously chatted with the guests as cameras flashed non-stop. Meanwhile, many other soldiers and family

members rushed to meet the duchess, who was equally gracious.

"This was a great occasion for the University of Toronto, and our staff did a spectacular job with the local arrangements," said President **David Naylor** after bidding Prince Charles and the Duchess farewell and presenting them with a gift from the university. "The Queen Mother presented new colours to her regiment at Varsity Stadium more than 40 years ago, an event that makes today's ceremony even more meaningful. We at the university were honoured to have hosted the royal couple, the regiments and the general public."

U of T major player in 2015 Pan Am Games

CONTINUED FROM PAGE 1
tremendous opportunities for the University of Toronto," said President **David Naylor**. "The legacy infrastructure enables us to forge ahead with our mission to support the province's top athletes while giving our own students and community members a world-class sport and recreation experience."

The new sports and recreation complex, to be owned jointly by the City of Toronto and UTSC, will be home to the Pan American Aquatics Centre and the Canadian Sport Institute Ontario, an organization dedicated to the development

of top athletes from across Canada. The complex will host the Games' swimming, diving, synchronized swimming, fencing, modern pentathlon and Parapan volleyball competitions. Beyond the Games, the facility will also fill a serious unmet need on the UTSC campus and in the community, providing space for a wide range of sports and recreational opportunities alongside high performance training and services for Canada's top athletes.

"What the Games bring to UTSC and our region is phenomenal," said UTSC principal **Franco Vaccarino**. "Our students now have an

opportunity to partner in a world-class athletics complex that will benefit generations of students and alumni. The Pan Am Games makes possible a new regional hub for recreation and competitive athletics, which is certain to become a point of pride for the more than two million people who live in the eastern GTA — from Durham to Markham to East York and beyond."

The Scarborough facilities also create a valuable spinoff benefit: the City of Toronto's commitment to accelerate plans to extend the Light Rapid Transit link to UTSC, making transit travel to the area easier and faster.

Male spiders employ life-saving courtship rituals

BY ELENI KANAVAS

New research shows that male suitors of a female cannibalistic spider risk facing a premature death unless they perform an adequate courtship lasting a minimum of 100 minutes. Further, the research shows that “sneaker” males can slip by and mate successfully on the courtship efforts of the hard-working first suitor.

Scientists at U of T Scarborough have published a research paper entitled *Female’s Courtship Threshold Allows Intruding Males to Mate With Reduced Effort in the prestigious journal *Proceedings of the Royal Society B**. The study provides new findings on the mating habits of the poisonous Australian redback spider (*Lactrodectus hasselti*), a member of the black widow family where females are larger in size compared with males.

According to the research, if a male tries to mate without investing sufficient time and energy in courtship, the female spider will kill him and mate with his rival. However, weaker males, or those look-

ing to expend little energy, have found a way to reap the rewards of the more committed suitor.

“The second ‘sneaker’ male slips by and mates successfully, essentially acting as a parasite on the effort of the first, hard-working male,” explained Professor **Maydianne Andrade**, Canada Research Chair in integrative behavioural ecology at U of T Scarborough.

“One of the surprising outcomes from the study is that females are unable or unwilling to discriminate the sources of courtship,” said **Jeffrey Stoltz**, a PhD candidate in biological sciences at UTSC and co-author of the study. “This has provided the opportunity for intruding males to exploit the reproductive efforts of rivals and thereby circumvent female choice.”

Added Andrade, “Female choice-using thresholds have been predicted in theory but this is one of a few quantitative demonstrations of such a decision rule in action and the first to show that males can use the female’s decision rule to exploit the reproductive efforts of rivals.”



KEN JONES

Study finds link between childhood abuse, arthritis

BY JOYANN CALLENDER

Adults who experienced physical abuse as children have 56 per cent higher odds of osteoarthritis compared with those who have not been abused, according to a new study by U of T researchers.

The researchers investigated the relationship between self-reported childhood physical abuse and a diagnosis of osteoarthritis (OA). After analysing representative data from the 2005 Canadian Community Health Survey, they determined a significant association between childhood physical abuse and osteoarthritis in adulthood.

The study is published in the November issue of the journal *Arthritis Care & Research*.

Osteoarthritis is an often debilitating chronic condition that affects millions of adults. “We found that 10.2 per cent of those with osteoarthritis reported they had been physically abused as children in comparison to 6.5 per cent of those without osteoarthritis,” said lead author **Esme Fuller-Thomson** of the Factor-Inwentash Faculty of Social Work and Department of Family and Community Medicine. “This study provides further support for the need to investigate the possible role that childhood abuse plays in the development of chronic illness.”

Co-author **Sarah Brennenstuhl**, a doctoral student at U of T, stated: “We were surprised that the significant association between childhood physical abuse and osteoarthritis persisted even after controlling for major potentially confounding factors such as obesity and physical activity levels as well as age, gender, income and race.”

According to Fuller-Thomson, one important avenue for future research is to investigate the pathways through which arthritis may develop as a consequence of childhood physical abuse.

TOWARDS
a prosperous
SOCIETY

Novel nano-devices developed by pioneering researchers at U of T



DIANA MCNALLY

Professor Stewart Aitchison (right) and PhD student Muhammad Alam work in the new e-beam nanolithography lab.

BY TAMMY THORNE

U of T researchers continue to uncover the mysteries of space. But even the best astronauts in the world are stymied if the spaceship doesn’t launch.

When the countdown stops, it is often because a hydrogen leak has been detected. One small malfunction in the sensing device can mean millions of dollars lost.

Thankfully, there is no failure to launch at U of T’s new electron beam nanolithography facility where researchers are already developing smaller-than-tiny award-winning devices to improve disease diagnoses and enhance technology that impacts fields as varied as space exploration, the environment, health care and information and media technologies.

One of these novel nano-devices, being developed by PhD student **Muhammad Alam**, is an optical nose that is capable of detecting multiple gases. Alam hopes it will be used by NASA one day.

Alam is supervised by engineering Professors **Mo Mojahedi**, director of the Emerging Communications Technology Institute, and **Stewart Aitchison**, the faculty’s vice-dean (research).

Boeing, a supplier of rocket engines for NASA, approached the team in 2007 with an urgent need for a compact and reliable hydrogen sensor. “Sometimes they have to cancel rocket launches because

of false alarms from hydrogen sensors. That’s what motivated us to work on designing a cheap and reliable hydrogen sensor,” said Alam.

However, he said that was only part of the motivation. Hydrogen is a widely used chemical in many industries. More than 50 million tons of hydrogen was produced and used in 2004 by industries ranging from petroleum refineries to semiconductor processing facilities. The demand for hydrogen is growing by more than 10 per cent per year. A cheap and reliable

gases in addition to hydrogen. This can be very useful for environmental monitoring.”

Essentially the device consists of many silicon nanowires on a single chip. These are tiny silicon wires that can confine and guide light very similar to the way metal wires guide electricity. The nanowires are coated with material sensitive to hydrogen. Presence of hydrogen changes the amount of light coming out of the nanowires. Since they are so tiny there can be hundreds of them on a single chip and detecting many different gases

by same chip is possible. In layperson’s terms, Aitchison calls this the “optical nose” because it acts very much like a human nose that can sniff and detect various odours.

“For us the novelty is making them — integrating multiple things on a single platform. It is very rewarding if the thing we make has practical applications.”

The state-of-the-art e-beam lab officially opened Sept. 16 with a \$6.5 million electron beam lithography system that can define features as

small as 10 nanometres (about 10,000 times smaller than the width of a human hair).

The facility is one of only two of its kind in Canada and was made possible with contributions from the Canada Foundation for Innovation and Ontario’s Ministry of Research and Innovation, as well as contributions from numerous industry partners.

“FOR US THE NOVELTY IS MAKING THEM — INTEGRATING MULTIPLE THINGS ON A SINGLE PLATFORM. IT IS VERY REWARDING IF THE THING WE MAKE HAS PRACTICAL APPLICATIONS.”

- PROFESSOR STEWART AITCHISON

hydrogen sensor will help these industries handle hydrogen more safely and efficiently.

Another motivation behind the work is the potential for use in environmental monitoring of various gases. “We are, of course, concerned about the environment; successful completion of our research could result in cheap sensors with the capability of detecting multiple


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CONVOCATION 2009:

Graduate earns degree, life experience

BY ANJUM NAYYAR

As **Corey Liston**, BScN 2009, gets ready to walk out the doors of Convocation Hall during fall convocation, clad in cap and gown, she will be not only taking her degree with her but also four years of learning both in the classroom and outside of it.

Last spring, Liston was the first Lawrence S. Bloomberg Faculty of Nursing student ever to conduct her required placement at the Don Jail in Toronto. All nursing students have 320 placement hours in the community before they graduate.

At the jail, Liston cared for clients afflicted with schizophrenia, schizoaffective disorder or depression. Together with her preceptor, she would determine which inmates had been transferred into the facility and who required assessments; she also administered medications. She spoke to the clients before they saw their psychiatrists each day.

"Learning more about the mental health system and the community support was just incredible. It was a good perspective on what community health is," Liston said. "The time spent is more important during placements than anything else. After spending just a few days with one excellent nurse, I felt I learned a ton."

She will be one of 153 BScN students graduating during fall convocation, which runs from Nov. 9 to 13. This fall marks the graduation of the first undergraduate class that came into the school under the Bloomberg name. There will also be 30 MN students and six PhD students graduating as part of the 4,100 U of T students to receive their degrees during the fall convocation ceremonies in Convocation Hall.

"Because I'm still in a learning roll on my [hospital] floor and still developing my skills in these last classes, I still feel like a student sometimes. So I'm now trying to step up and adjust to taking on the roll of an actual registered nurse (RN), and it's an adjustment."

Liston has accepted a contract position in the neonatal intensive care unit at the Hospital for Sick Children, which will begin once she passes her RN exam.


During this fall's nursing convocation ceremonies the university will be giving an honorary degree to Lawrence Bloomberg himself.

U of T will also be awarding renowned pianist Angela Hewitt an honorary degree.

For more information on fall convocation visit: www.convocation.utoronto.ca/home.htm.

WE VALUE YOUR OPINION

that's why the back page of *the Bulletin* is devoted to Forum, a place where thoughts, concerns and opinions of interest to colleagues across the university find expression. Original essays by members of the community are both welcomed and encouraged. Faculty, staff and students are invited to submit or discuss ideas with:



ELAINE SMITH, EDITOR *The Bulletin*
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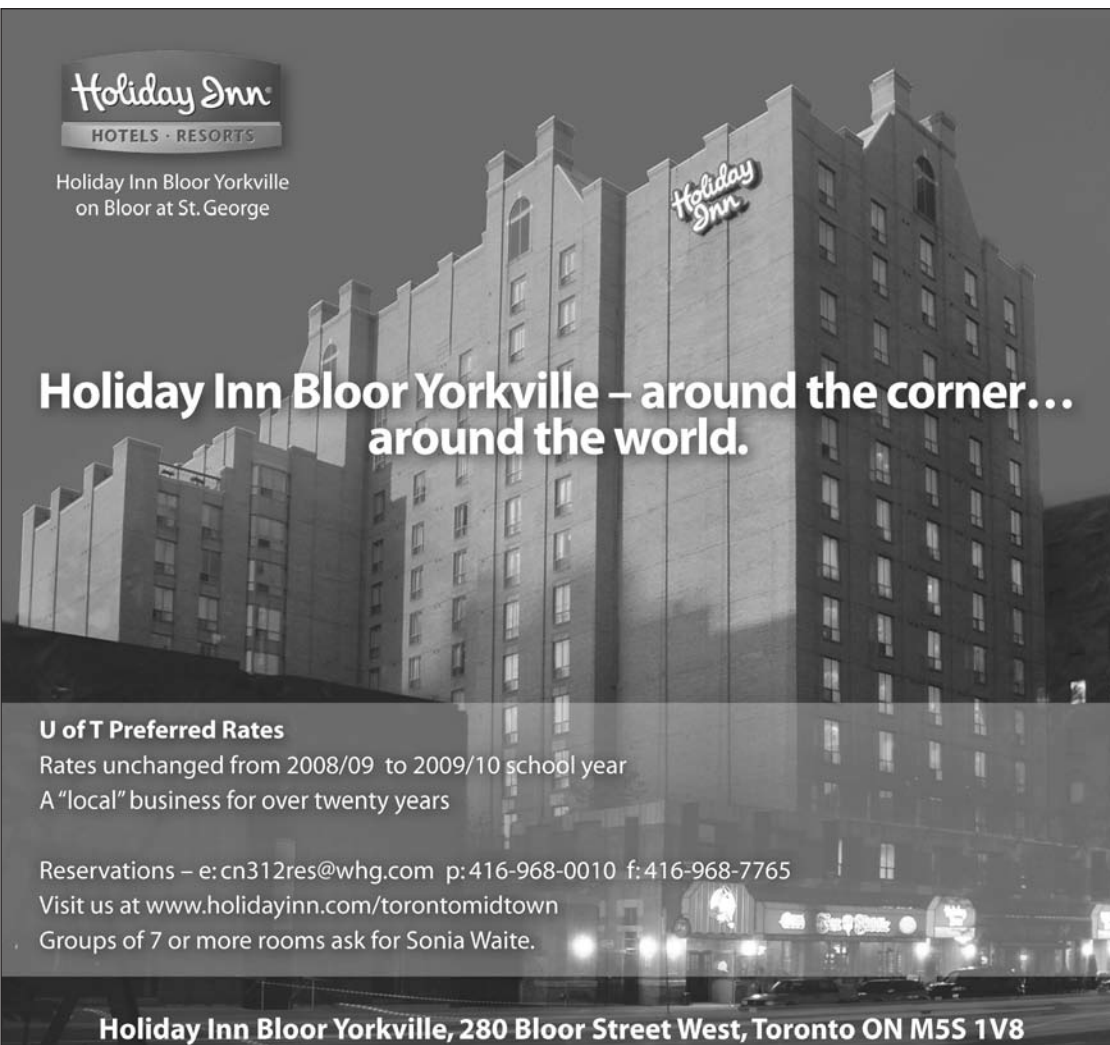



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U of T students offer their perspectives on service-learning

BY ANJUM NAYYAR

For the first time U of T undergraduate students presented their learning experiences to faculty at the annual Teaching and Learning Symposium. A three-member student panel outlined their experiences in courses that have elements of service-learning, experiential learning and leadership development.

The student-led discussion, moderated by **Ben Liu** of the Centre for Community Partnerships, also focused on the impact service-learning, experiential learning and leadership activities have had on the panel's academic, personal and professional development. **Victoria Marshall**, a St. George urban studies student; **Joshua Moscattini**, a biology student from U of T Mississauga; and **Homira Osman**, a biological sciences student from U of T Scarborough, explained how these experiences shaped their subsequent learning, both inside and outside of the classroom, how they complemented or contrasted the learning in other university courses and how the experiences might be beneficial for all students. "It is so critical that we

**BEYOND
the basic BA**

routinely ask the learners we teach to provide feedback on their learning experiences," said Professor **Carol Rolheiser**, director of the Centre for Teaching Support and Innovation.

"They were passionate and articulate and helped us to better understand why those experiences supported the development of their knowledge, skills and beliefs. When we ask for and listen to the candid reflections of our students regarding what they value as learners, their responses feed into the instructional decisions we make in the future as teachers. This feedback loop is essential to effective teaching."

Osman agreed. "I do think it was a great idea to bring the students into the symposium because I think a lot of faculty members haven't themselves experienced the course," said Osman, who took a community studies course at UTSC that focused on food security in the Malvern community. "They might think the workload is too much so it's good to get our perspective."

Marshall, who took an introductory 200 level course in the urban studies program, worked at St. Christopher House. Her work involved tutoring Vietnamese students. She said

service-learning courses have more benefits for students than the volunteer work students might do on their own time.

"There's a difference in the fact that we're actively comparing concepts from class to things that we're seeing. We had to journal entries to compare what we had learned out in the field each day to what we're doing in class and that's much more nurturing than if it was just volunteering on our own time."

Moscattini, who took part in a research opportunity course at UTM, said the course gives students the chance to work alongside professors rather than just being exposed to a typical student-faculty classroom relationship. He worked with two professors in cancer research, applying knowledge from his class to the field.

"There's more of a level playing field; you're both working towards the same goal as opposed to someone teaching you something and you just regurgitating what you learned. I learned more from this course than any other course I've done at U of T."

All three students are keen to advocate for more service-learning opportunities.

"There should be a placement for every major and every student," said Marshall.

New UTSC awards encourage teen interest in research

BY ELENI KANAVAS

Four young people from local high schools have been recognized for their excellence in science through a new set of awards established by the University of Toronto Scarborough in collaboration with private industry and the Ontario government.

The quartet of Grade 12 students was recently welcomed to the campus to receive the Outstanding High School Student Science Awards. Celestine Sarpong and Patrick Polvorosa from Jean Vanier Secondary School, along with Abhishek Ellie and James Pasierbski from Senator O'Connor Secondary School, are the inaugural recipients of the awards. The students each received \$250, an awards certificate and a day on campus filled with science and research opportunities.

Encouraging young people to consider a career in science was the impetus behind the awards, founded by chemistry professor **André Simpson** of

physical and environmental sciences, director of the Environmental Nuclear Magnetic Resonance Centre. They were established this past spring with the aim of exposing the best high school students to a research and development environment and conveying excitement and enthusiasm for research to students at an early age.

Grades were not the sole criteria for the awards, although academic standing was important, Simpson said. An aptitude for original thinking, enthusiasm for scientific exploration and a demonstrated interest in science as a career field were also considered by nominating schools.

All students submitted an essay describing their interests and aspirations for a future career in scientific research and teaching, as well as letters of recommendation from principals and science teachers.

"We are so pleased to welcome you to our campus and we commend you for your achievements in science as well

as your interest in research," Simpson told the students during the awards ceremony. "Today you can see for yourselves that science is an exciting and stimulating career and we want more young people to be aware of the opportunities available to them in this field."

"You have shown a talent and aptitude for science, and we congratulate you on being the first winners of this award," Principal **Franco Vaccarino** said.

The awardees got the opportunity to use the NMR spectroscopic instrument in the Environmental Nuclear Magnetic Resonance (NMR) facility where they performed an imaging and magnetic resonance experiment to determine the chemical components in the Red Bull energy drink. The NMR facility is the only centre in Canada that studies the environment and is able to conduct research on environmental solids, liquids and gel samples using specially designed probes that are inserted into the NMR spectroscopic instrument.



DIANA MCNALLY

Kruger Hall Commons, a new student lounge, is a joint venture between Woodsworth College and Rotman Commerce.

New student lounge draws raves from all comers

BY ELAINE SMITH

With the informal student opening of Kruger Hall Commons Oct. 28, students now have a new home away from home on the St. George campus.

The commons, located in the Woodsworth College building on St. George Street, is a collaboration between Woodsworth College and Rotman Commerce. It features three distinct spaces that became a reality under the watchful eye of project manager **Samiddha Aryasinghe**: an event hall, a lower lounge area and a mezzanine lounge.

The commons has been transformed by U of T architect **George Phelps** from institutional exam hall — its former purpose — to a warm, welcoming space where students can relax, study or chat. A number of its original features were retained: a cedar ceiling, exposed ductwork and a large window that provides natural light. New features include comfortable furniture on wheels, chosen with assistance from furniture consultant **Danielle Churchill** of arts and science; recessed plugs; and wireless access. The two lower areas — Kruger Hall and the lower lounge — can be combined or divided, depending on programming needs.

"It's a very functional space," said **Cynthia Bishop**, director of student life for Rotman Commerce. "Kruger

Hall and the lower lounge can move from lounges to event space very quickly. There are LCD panels, a smart classroom podium and stacking chairs and that makes it easy to reconfigure the space. In fact, students are looking at holding movie nights here."

Liza Nassim, Woodsworth's dean of students, said, "To have a space so beautiful where students can hang out, meet each other and build community is wonderful. We have a lot of commuting students, too, so it's important for them to have a place to feel comfortable and it's nice that it can be located at Woodsworth."

The commons was an instant hit with students who came to the opening to enjoy the free food on offer and stayed to relax in the comfortable chairs.

"It's a very warm, friendly environment," said University College student **Danuta De Sa**. "I will definitely stop here between classes — it will become my next home."

Twina Alfonso, a New College student, was also enthusiastic.

"I like the open concept and the comfy chairs — they make studying easier," she said. "All the wood looks really nice and I like the colour combinations and the fact that it's well lit."

"I had exams in here and it looks totally different. It was so dull and barren. I'll definitely stop by now."

Virtual U of T helps teach students English

COURTESY OF FREDERICK CHAPMAN



Canadian Frederick Chapman (third from right) is using the U of T website to teach English to students in China.

BY ANJUM NAYYAR

High school students in China are getting a virtual U of T student experience in their English classes and loving every minute of it. Canadian Frederick Chapman, a retired businessman from Toronto, is teaching English to Grade 10 students using a video from U of T's website.

Chapman chose a video on U of T's This is U of T website to give his students an inside look at student life at the university. The video features a drama student named Andrea who talks about her life at U of T.

"I wanted to create a story for these students in which they live in Canada for a year and have experiences in Canada virtually," said Chapman. "I was encouraged to do that because every website I went to in Canada was so rich in material. I created this fictitious idea that they were going to live at the University of Toronto and they would use that as their base to learn about Toronto and take trips all over Canada. A part of that was also to experience the environment at the University of Toronto. I use the video as an introduction to their new home at U of T."

Chapman, who started teaching in Jiangsu province just a month ago, said the video is part of the Toronto story.

"Chapter one of the story is that they've been in Toronto for a few days, they meet Andrea, and then I play the video and she talks to them about her perspective on U of T.

"I've always been fascinated with simulation," Chapman said. "I hope to have them actually talking to Canadian students in the near future and comparing notes."

Chapman said his school in China has an affiliation with a local Mississauga high school that recently

launched a program to bring students from China to Canada to complete their last year of high school.

"They have a collaborative agreement to bring students from here to Canada to complete their Grade 12 diploma in Ontario and go on to post-secondary education in Toronto. They've sent two students this year. They hope to send 10 next year. My job is to encourage students here to go to Canada. My primary job is to teach English but one way to combine those two goals is to use lots of Canadian content in my teaching of English."

He said his job teaching English involves focusing on conversational English.

"They're great at reading but they get no experience speaking the language. So the whole purpose is to immerse them in conversations. For example, just having a conversation about U of T could accomplish this. One goal was to increase vocabulary. There are some pretty big new words in that video like 'widest array of programs', so I went through the video and created an exercise of matching words to meanings. The other goal was to increase their comprehension. I created a fill-in-the-blank exercise where they are given a script of the Andrea video. By the end they totally understood the video."

Chapman is using pictures of St. Mike's men's residences as one of the sites where students live virtually.

"It's a beautiful building. I just said this is your residence and they were totally excited about being two in a room and just having a bed, a phone and Internet."

Chapman, who has been retired since 2007, said a visit to friends in China inspired him to teach there.

UTSC offers classes without quizzes to alumni, community

BY ELENI KANAVAS

No tests, no quizzes, no marks — just fun. A new lecture series without exams or grades has been established for alumni and the campus community to promote life-long learning at the University of Toronto Scarborough.

Classes Without Quizzes is designed to engage alumni and the university community with interesting and provocative topics through a variety of classes and guest speakers. The series features internationalism as the theme for the 2009-2010 academic year. Internationalism is one of the five strategic priorities for the campus.

The lectures are taught in a fun and open setting by experts in the field and faculty from the University of Toronto Scarborough.

"Many alumni events are social in nature, so we're excited to offer something different that is both educational and topical," said **Kim Tull**, alumni relations manager at UTSC. "Our hope is that Classes Without Quizzes will provide an academic and accessible environment that is both intellectually stimulating and speaks also to important events of the day. This new series provides an opportunity for alumni to revisit their

alma mater, spend time in a classroom and learn from UTSC faculty."

The first instalment of the series, entitled Health vs. Wealth: Making Health Systems Work, took place Oct. 28 in the Science Research Building. Professor **Franco Vaccarino**, vice-president and principal of UTSC, hosted a seminar that focused on the question How Does Canada Measure Up? in the context of healthcare systems and their impact on people, patterns and policies.

Among the panel of experts were Professor **Rick Halpern**, dean and vice-principal (academic), **Toba Bryant**, a professor of the politics of Canadian health policy and **Michael Denny**, a professor of health economics. Together, the panellists highlighted the importance of understanding the historical and philosophical underpinnings of today's healthcare disciplines and what governments can do to improve health care systems. The topics included key barriers to health care, quality, affordability and access while examining the potential pitfalls and taking a critical look at the Canadian healthcare system.

Visit www.utsc.utoronto.ca/~advancement/alumni/cwq.html for information about upcoming classes.

Families get taste of university life

BY ANJUM NAYYAR

For many students going off to university for the first time means enjoying independence, but they still want to introduce their families to the place they spend much of their waking hours.

As a result, U of T organized the first Bring Your Family to School Day Nov. 6. Staff from student life, alumni affairs and the family care office planned the day's events.

Deanne Fisher, director of student life, said it's an opportunity for students and their families to gain new insight into the student's environment.

"It's not about parents letting go of the students, it's about them understanding more about what their son or daughter is experiencing," she said. "We want families to be part of our student support network. We know from some of our surveys that the students' primary source of advice is their families, so if we have informed families they can give better advice."

For **Anjana Jacob**, a first-year international relations student who immigrated from Pakistan just two years ago, bringing her family to campus was a way to get them involved in her Canadian academic experience.

"It's an open opportunity. I'm the first to go to university from my family; I wanted my parents to see the university," said Jacob.

"It's a great thing to have this and we can see where our children go to study and have a chance to meet people including some faculty," said Anjana's mother, Affia Jacob.

Fisher said the event was a culmination of initiatives begun by the president's office to build relationships with families and parents.

"Increasingly over the past year the

president had asked us to look at ways to develop relationships with parents and family members of our undergraduate students," she said. "The president sends a letter home to families of our students, we have an e-newsletter for families of students, we have a website specifically for parents and family members and now this is the evolution of our relationship to actually have a university-wide event for our family members to get a taste of the university."

The event included a welcome by President **David Naylor** and a special lecture by Professor **Molly Shoichet** of chemical engineering and applied chemistry. The day also included an optional lunch in the Music Room at the Hart House for all families. There were also numerous tours scheduled.

For **Natalie Antonowicz**, a fourth-year political science student, bringing her mother and her brother to campus was the best way to give her brother David, a high school student, the opportunity to check out her university.

"It's a good idea to open them up to what I'm doing and have them see what I'm doing for so many hours a day. I also think it's a great thing for prospective students like my brother to check it out and something like getting a lecture from a professor, that's a rare opportunity. It will help him to frame a better decision and to see what U of T is like."

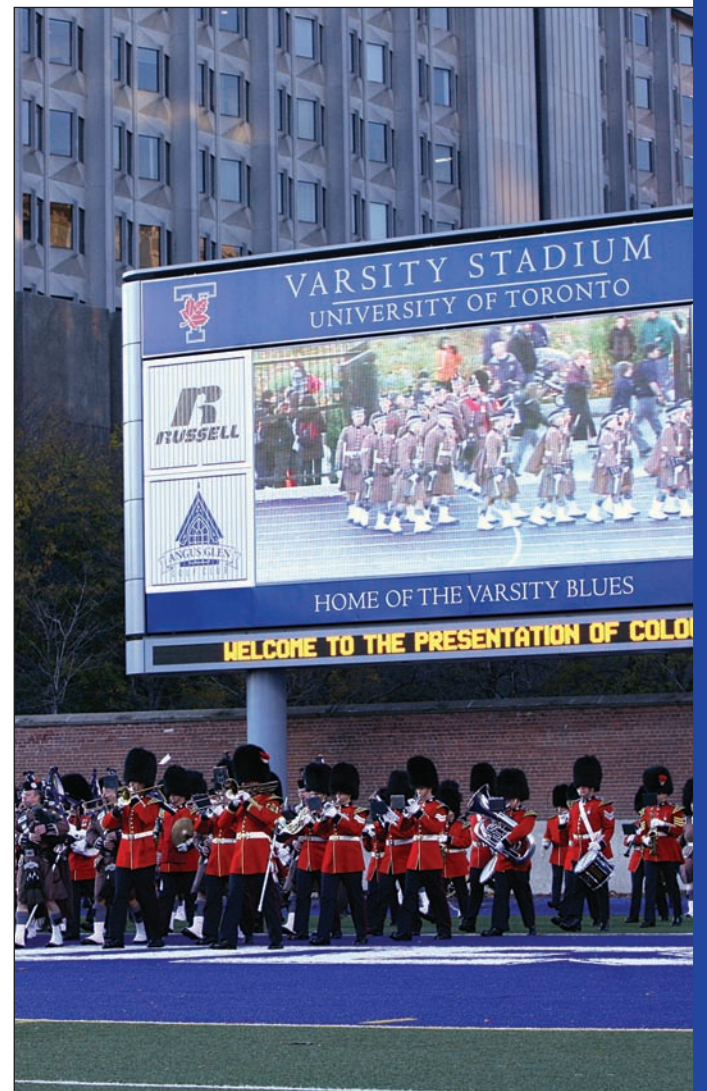
Some parents, like Cynthia Robertson, whose son is a first-year life sciences student, said the experience is a really a great way to bring the university home to parents.

"The enrolment right now is done online so you don't really have any personal contact," she said. "This event brings some faces and a human touch to the university."

ROYAL SOCIETY

(Clockwise from top right): U of T staff member Alexandra Agostino (right) and her mother enjoy the festivities; the Royal Regiment of Canada's brass band marches onto the field; the Duchess of Cornwall takes part in the review of the troops; drummers from the Toronto Scottish Regiment arrange their drums for the consecration of the colours ceremony; members of the Toronto Scottish Regiment listen as the colours are consecrated; Prince Charles (centre, blue sash) reviews the troops of the Royal Regiment of Canada.

PHOTOS BY CAZ ZYVATKAUSKAS



CAZ ZYVATKAUSKAS

Admissions gets new digs



The admissions and awards office is now located at 172 St. George St.

BY TAMMY THORNE

For many of today's university students, applying for student aid is part and parcel of a post-secondary education "to-do" list.

The staff at the office of admissions and awards is responsible for ensuring students can access the financial assistance they need. The 65 permanent staff — and numerous other casual and student employees during peak times — serve about 200 students every day and upwards of 65,000 students who apply for admission to U of T every year.

As of Nov. 10, this essential unit of the university has a new

home at 172 St. George St., just north of Bloor Street across from the subway station. The four-storey building was purchased by the U of T in 2008.

"It is a beautiful building," said **Karel Swift**, registrar. "It has been a true privilege for all of us to work in a wonderful, historic building but we are delighted with the new space and we are very fortunate to have it. Plus, our enquiry space for students and prospective students is fully accessible."

In the 1960s the office of admissions operated out of Simcoe Hall. The office moved to its next home at 315 Bloor St. W. in the early 1970s. In 1991, what had been student awards

was amalgamated with it, creating admissions and awards.

"I've officially been at the university for 37 years but I worked as a student in admissions back when we were in Simcoe Hall," said Swift, who has been (the university's first female) registrar since 1997 and was director of student awards at the time of amalgamation.

Swift said that although the need for student aid may be on the rise, given the cost of post-secondary education, the University of Toronto always puts its students first. She points to the university's policy on student financial support and to new admissions technology as illustrations of U of T's efforts to serve its students.

"We've got a brand new website (www.adm.utoronto.ca/admawards/index.action), launched in late September, that we are rather pleased with — the admissions piece of it, especially. It is completely interactive and very informative."

On a more serious note, Swift explained the university's official policy that "no student offered admission to a program at the University of Toronto should be unable to enter or complete the program due to lack of financial means."

"We provide the assurance to students that if they need help they will get it," she said. "If a student applies for government aid and they have a gap between their assessed need and what they received from OSAP then we provide a grant to fill that gap — and we do it automatically. All the student has to do is apply for OSAP and we will provide the rest."

Hart House changes with the times

BY ELAINE SMITH

Hart House 2009, with the customer service Hub located in the entrance hall, the funky, colourful furniture in the Reading Room and neon signage above the entry, has undergone both functional and cosmetic changes in the past few years, and there are more to come.

"The Hart House board of stewards approved a new vision statement in April 2009 to guide us," said **Louise Cowin**, warden of Hart House. "In keeping with this vision, we want to ensure our structures are contemporary and work for today's students."

The vision statement reads: "Hart House is a living laboratory of social, artistic, cultural and recreational experiences where all voices, rhythms, and traditions converge."

"We're doing this with a view to educating ourselves about new possibilities so that Hart House remains a vital, relevant and central element of a student's total educational experience," said Cowin, noting the prominent role Hart House has played in student lives for years. Many alumni, Chancellor David Peterson included, talk nostalgically of activities that were an integral part of their university experience.

To support this initiative, Cowin embarked upon administrative changes that she determined were necessary to establish the most effective

infrastructure for moving Hart House forward. She took steps to consolidate discrete programming units into a coherent and unified administrative framework and assigned the functions and operations currently residing in the theatre, the gallery, the farm and recreational athletics to the portfolios of two newly created positions: director of program development and director of program administration. These changes took place Nov. 2.


Now Cowin will oversee a further internal review of the structure that will involve data collection and analysis, focus groups and other consultative measures.

Cowin emphasized that much of the impetus for these changes flows from two provostial reviews conducted in 2002 and 2007, as well as from recent data provided by the National Survey of Student Engagement.

Cowin has set out an ambitious timeline, hoping the engagement process will be ready for a decision by the board of stewards at the outset of the 2011-2012 academic year.

"It's very exciting, but it has created consternation that goes hand in hand with change," Cowin said. "The house, however, has an obligation to critically examine and reflect upon our policies and practices to ensure that we are doing everything we can to remove barriers to student participation and reach out to all populations."





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Hart House Theatre marks 90th season with a *Dream*

BY TAMMY THORNE

To study or not to study: that is the question most students are asking themselves at this time of year, during midterms.

The answer is one and the same for student — and actor — **Sarah Parkin**.

The singer has begun her first year of the master of music in performance program at the Faculty of Music where she just completed her bachelor of music degree. She will play the fairy Peaseblossom in *A Midsummer's Night Dream* at Hart House Theatre.

Shakespeare's sexiest and most popular comedy will be mounted beginning Nov. 20 as part of the theatre's landmark 90th anniversary season.

Parkin said the onstage experience — and hard work — has exponentially enhanced and complemented her academic studies.

"Shakespeare is to theatre what Mozart is to opera," said Parkin, who has been performing on stage since she was seven years old and is also a ballet student.

"It's all about making connections and good references," said the Newmarket, Ont., native. The 21-year-old also offered some sage advice to burgeoning thespians: "Above all, make sure you

show up, awake and on time."

Parkin plans to travel to Europe and participate in a young artists program or apprenticeship program when she finishes her master's degree.

"Having stage experience — and especially something like a Shakespeare play — really shows that you have diversity and can handle yourself on stage."

alumnus

Jeremy Hutton, *A Midsummer Night's Dream* depicts the hijinks of lovers as they meet in a forest overrun with fairies. While the fairies taunt and tease the lovers, a group of well-meaning but talentless commoners rehearse a play to be presented to the aristocracy of Athens.

Titania, the queen of the fairies, has eight servants including Peaseblossom. "The magic of the fairies is instrumental in bringing the lovers together," Parkin said, twirling her fingers together and widening her eyes. "We are the binding element. We illuminate the text that is being spoken. It's all very movement focused. I have a little bit of a speech and some dialogue with Puck but I'm part of the fairy chorus — which is very reassuring. It's a really great group of people.

"It's a very rewarding experience. I'm so happy," added

Parkin, beaming. "There is so much going on in this show. This show is exciting. It is funny. It is magical. Above all, it is sexy."

A Midsummer's Night Dream runs from Nov. 20 to Dec 5. Tickets are \$25 for adults, \$15 for students and seniors. Students get in for \$10 every Wednesday night.



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She was inspired to take on her second Hart House role after seeing Hart House Theatre on the resumé of the actor who plays Liesl in the professional production of the *Sound of Music*, now playing in Toronto. "There are a lot of famous people who have been through this theatre," she said.

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BOOKS

The following are books by U of T faculty and staff. Where there is multiple authorship or editorship, staff are indicated by an asterisk.

Cancer on the Margins: Method and Meaning in Participatory Research, by Jennifer Nelson*, Judy Gould and Sue Keller-Olaman (U of T Press; 288 pages; \$60 cloth, \$27.95 paper). This book represents the findings of the Ontario Breast Cancer Community Research Initiative, an organization created to investigate the experiences of women with breast cancer from marginalized and under-represented groups. It examines the psychosocial needs of women living with breast cancer while investigating differences in treatment, care and survivorship among aboriginal women, women of colour, francophone women,



lesbians as well as young women, lower-income women and women in rural areas.

Unlearning: Incomplete Musings on the Game of Life and the Illusions That Keep Us Playing, by Alajandro R. Jadad (Lulu; 177 pages; \$15.95). This book is a guided tour through the evolution of the human mind, culminating with the greatest challenges we face at the dawn of the 21st century. Along the way, one will recognize how our lives have become a highly interactive

virtual game, driven by powerful illusions that force us to keep playing.

Brooklyn Beginnings: A Geriatrician's Odyssey, by Michael Gordon (iUniverse; 296 pages; \$21.95). Helicopter evacuations, teaching West Bank Arab nursing students, life and death medical decisions, aging Holocaust survivors, heart-breaking ethical decisions — this book immerses the reader in the stories of the author who helped forge contemporary geriatrics in his adopted Canada. His Brighton Beach childhood, his initially quiescent Jewish roots and a unique Lithuanian and Scottish interface profoundly inspired his personal and professional journey.

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Seaton Village house for rent, Jan. 11 to March 8. 3 bedrooms + den, fully furnished, laundry. \$2,500/month, includes utilities, cable, wireless Internet. Please call Paul or Amy at 416-516-0153.

King/Shaw. Short term. Available Dec. 1, 2009 to April 2010. Spacious, fully furnished 1-bedroom townhouse. Utilities, parking and cable included. Minutes from public transportation. Easy commute to U of T. \$1,000/month. Dates and rent negotiable; linda.oliver@utoronto.ca.

Brock & Dundas. 1-bedroom apartment. Laundry, close to TTC. \$600/month, utilities included. Available Dec. 1. Call 416-903-2853.

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www.torontohouserental.net; 416-532-6946. marcotoronto@sympatico.ca.

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King-Bathurst. Furnished & equipped 1-bedroom apartment. \$1,375/month inclusive. Security, fitness, recreation, shopping on premises, near public transit & U of T. Details & photos on web, <http://toapt.tripod.com/apt2.html>; e-mail: micheline.scammell@sympatico.ca

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online directory of sabbatical home listings for academics visiting Toronto or temporarily leaving. Find or post accommodations to rent, exchange or sit at www.SabbaticalHomes.com.

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JOAN E. FOLEY QUALITY OF STUDENT EXPERIENCE AWARD

A \$1,000 award given to a student, alumnus/a, administrative staff or faculty member who has made a significant contribution to improving the quality of academic or extra-curricular student life on campus.

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DEADLINE FOR SUBMISSIONS:

CHANCELLOR'S AWARD
5:00 PM on Tuesday, February 16, 2010

ALL OTHER AWARDS LISTED
5:00 PM on Friday, January 15, 2010

AWARDS CEREMONY:
Monday, May 3, 2010

For forms & additional information on these awards, please visit alumni.utoronto.ca or contact Satpal McCaughey in the Division of University Advancement at 416-946-8668 or satpal.mccaughey@utoronto.ca



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Psychotherapy for personal and relationship issues. Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 416-535-9432, 140 Albany Avenue (Bathurst/Bloor). drhwhite@rogers.com.

Evelyn Sommers, Ph.D., Psychologist, provides psychotherapy and counselling for individuals and couples from age 17. Covered under U of T benefits. Yonge/Bloor. Visit www.ekslibris.ca; call 416-413-1098.

Individual psychotherapy for adults. Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland St. (Wellesley and Jarvis). 416-570-2957.

Psychoanalysis & psychoanalytic psychotherapy for adolescents, adults, couples. U of T extended health benefits provide coverage. Dr. Klaus Wiedermann, Registered Psychologist, 1033 Bay St., ste. 204, tel: 416-962-6671.

Dr. Cindy Wahler, Registered Psychologist. Yonge/St. Clair area. Individual and couple psychotherapy. Depression, relationship difficulties,

women's issues, health issues, self-esteem. U of T extended healthcare plan covers psychological services. 416-961-0899. cwahler@sympatico.ca.

Dr. Carol Musselman, Registered Psychologist. Psychotherapy for depression, anxiety, trauma and other mental health needs, relationship problems, issues related to gender, sexual orientation, disability. Covered by extended health plans. 455 Spadina (at College), #211. 416-568-1100 or cmusselman@oise.utoronto.ca; www.carolmusselman.com.

Psychologist providing individual and couples therapy. Work stress, anxiety, depression, personal and relationship concerns and problems with eating, weight and body image. U of T benefits apply. Dr. Sarah Maddocks, 114 Maitland Street (Wellesley and Jarvis). 416-972-1935, ext. 3321; smaddocks@sympatico.ca.

Sam Minsky, PhD (Registered Psychologist). Individual and couple psychotherapy and counselling covered under U of T extended health plan. Close to downtown campus. 647-209-9516. sam.minsky@sympatico.ca.

Mississauga Clinical Psychologist providing psychotherapy to individuals aged 16 and older. Experienced in treating anxiety (e.g. panic attacks, obsessive compulsive disorder, excessive worry), depression, concerns about relationships, identity, lifestyle, health. Fees covered by extended health benefits. Dr. Anne Vagi, 905-306-1106. annevagi@coegeco.ca.

Miscellany

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Volunteer. The Adult Disabled Downhill Ski Club of Toronto is looking for enthusiastic skiing volunteers for our Saturday program, starting January 2010. Lift ticket/transportation are provided. Skiing is at a private club. Please contact Fred Gaby at 416-445-6160 early in November.

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Science & Religion: Why can't Americans be like Canadians?

MICHAEL RUSE, Lucyle T. Werkmeister Professor of Philosophy and Director, History and Philosophy of Science Program, Florida State University.

America is consumed by battles between secular and religious interests, while in some respects, Canada seems more inclined to allow religion into the public sphere. Focusing generally on the history of the science-religion debate and specifically on the peculiarities of American history, this talk tries to explain that paradox.

Monday, November 23, 2009
7:00 p.m.
Isabel Bader Theatre
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For more information, visit www.artsci.utoronto.ca, contact events@artsci.utoronto.ca, or call 416-946-5937.

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“Double Agency in Health Care: an inevitable dilemma?”

FREDERICK LOWY, OC, MD, LLD
Former President, Concordia University
Founding Director, University of Toronto Centre for Bioethics
Former Dean of Medicine, University of Toronto

Wednesday, 18 November 2009,
3:10 – 4:30 pm

University of Toronto Joint Centre for Bioethics
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LECTURES

Dread: How Fear and Fantasy Have Fuelled Epidemics from the Black Death to the Avian Flu.
Thursday, November 12

Prof. Philip Alcabas, Hunter College.
160 Arts & Administration Building,
U of T Scarborough. 2 to 3:30 p.m.
U of T Scarborough

Supporting Visual Thinking and Creativity.

Thursday, November 12

Profs. John Danahy, architecture, landscape and design, on Local Climate Change Visualization and Decision-Making; Nick Woolridge, biomedical communications, on Visual Design in Knowledge Media. 728 Claude T. Bissell Building, 140 St. George St. 4 to 6:15 p.m. *Knowledge Media Design Institute*

Gaelic in Nova Scotia: Past, Present and Future.

Saturday, November 14
Lewis MacKinnon, office of Gaelic affairs, N.S. Senior Common Room, St. Michael's College. 2 p.m. *Celtic Studies*

The Maritime Cultural Landscape of Newfoundland's Petit Nord, 1500-1800.

Tuesday, November 17
Prof. Peter Pope, Memorial University. 101 Cardinal Flahiff Centre, St. Michael's College. 4 p.m. *Celtic Studies and Archaeology Centre*

Double Agency in Health Care: An Inevitable Dilemma?

Wednesday, November 18
Frederick Lowy, founding director, Centre for Bioethics; annual Jus lecture. Great Hall, 88 College St. 3:10 to 4:30 p.m. *Joint Centre for Bioethics*

The Art of War: Proof or Propaganda.

Wednesday, November 18
Amy Barron, PhD candidate, Near and Middle Eastern Civilizations; Ronald Morton Smith memorial lecture. 142 Earth Sciences Centre. 8 p.m. *Near & Middle Eastern Civilizations*

Boundless Good: Two Problems Involving Infinite or Boundless Utility.

Thursday, November 19
Prof. James Dreier, Brown University; annual UNESCO World Philosophy Day lecture. 100 Jackman Humanities Building. 3:15 to 5 p.m. *Philosophy and Philosophy Course Union*

Presenting Renaissance Music on the Modern Concert Stage.

Thursday, November 19
David Fallis, Faculty of Music. Senior Common Room, Burwash Hall, Victoria University. 4 p.m. *Reformation & Renaissance Studies and Toronto Renaissance & Reformation Colloquium*

Peaceable Kingdom Lost: The Paxton Boys and the Destruction of William Penn's Holy Experiment.

Thursday, November 19
Prof. Kevin Kenny, Boston College. Carr Hall, St. Michael's College. 6 p.m. *Celtic Studies*

Violence and the Origins of Human Rights.

Friday, November 20
Prof. Hans Joas, University of Chicago. Croft Chapter House. 3 to 5 p.m. *Sociology*

Flood, Feast and Famine: Adapting to Climate Change in Neolithic and Bronze Age Crete.

Wednesday, November 25
Jennifer Moody, research fellow, University of Texas at Austin. 1101 Sandford Fleming Building. 5:15 p.m. *Archaeology Institute of America, Toronto Society*

COLLOQUIA

What Does It Mean When Climate Models Agree? Examining the Significance of Robust Predictions.

Wednesday, November 18
Prof. Wendy Parker, University of Ohio. 323 Old Victoria College Building. 4 to 6 p.m. *History & Philosophy of Science & Technology*

SEMINARS

Obesity and Responsibility.
Wednesday, November 11

Prof. James Dwyer, SUNY Upstate Medical University, Syracuse. Philippa

Harris Bioethics Library, 88 College St. 3 to 4:30 p.m. *Joint Centre for Bioethics*

Evolution of Bacterial Diseases: New Ideas, New Therapies.
Friday, November 13

Prof. Fiona Brinkman, Simon Fraser University. 432 Ramsay Wright Building. 2 p.m. *Cell & Systems Biology*

'What case/Moved the creator in his holy rest?' The Logic of Creation at Work in Milton's Paradise Lost.

Friday, November 13
Emma Wilson, post-doctoral fellow, University of Western Ontario. 205 Northrop Frye Hall, Victoria College. 3:30 to 5 p.m. *Reformation & Renaissance Studies*

Eph-Ephrin Bidirectional Signalling.

Monday, November 16
Prof. Mark Henkemeyer, University of Texas Southwestern Medical Center. 2172 Medical Sciences Building. 4 p.m. *Laboratory Medicine & Pathobiology*

Gord Peteran: Borderline Case.
Monday, November 16

Niamh O'Laoghaire, curator, U of T Art Centre. Art Lounge, U of T Art Centre. 3 p.m.

Lifelong Learning for Older Adults: From Rhetoric to Practice.

Tuesday, November 17
Marvin Formosa, lecturer, University of Malta. Suite 106, 222 College St. 12:15 to 1:30 p.m. *Life Course & Aging*

Deep Geological Disposal of Nuclear Waste.

Wednesday, November 18
Catherine Robin, PhD candidate, physics and geology. Seminar Room, Faculty Club. 4:10 p.m. *Environment*

Catching the Unspoken: The Use of Theatre for Community-Based Research.

Thursday, November 19
Jennifer Jimenez, Aiding Dramatic Change in Development. 256 University College 4 to 5:30 p.m. *Urban Health Initiatives*

Assembly of the Drosophila Heart by Regulators of Cell Adhesion.

Friday, November 20
Prof. Roger Jacobs, McMaster University. 432 Ramsay Wright Building. 2 p.m. *Cell & Systems Biology*

Merkel Cell Polyomavirus: A New Cause for Human Cancer.
Monday, November 23

Prof. Yuan Chang, University of Pittsburgh Cancer Institute. 2172 Medical Sciences Building. 4 p.m. *Laboratory Medicine & Pathobiology*

Bilingualism and Its Protection of Cognitive Function in Older Age.
Tuesday, November 24

Prof. Ellen Bialystock, York University. Suite 106, 222 College St. 12:15 to 1:30 p.m. *Life Course & Aging*

Critical Care Triage for H1N1: Emerging Ethical Issues.

Wednesday, November 25
Michael Christian, Mt. Sinai Hospital; Andrea Frolic, McMaster University Medical Centre; Prof. Em. Gerda Kaegi, Ryerson University; Shawn Winsor, Sunnybrook Health Sciences Centre, moderator. Philippa Harris Bioethics Library, 88 College St. 3 to 4:30 p.m. *Joint Centre for Bioethics*

MUSIC

VICTORIA COLLEGE Liederabend.

Monday, November 16
Graduate students perform, presented by the Faculty of Music. Chapel. 6:30 p.m.

Song Gallery.
Wednesday, November 18

Singers in voice performance I and II; presented by the Faculty of Music. Chapel. 6:30 p.m.

The Institute for the History and Philosophy of Science and Technology
University of Toronto

PRESENTS

Re:Design
by Craig Baxter

A Dramatisation of the Correspondence of Charles Darwin and Asa Gray

Directed by Paul Bourne

Produced by The Menagerie Theatre Company (Cambridge, UK)

Featuring Paul McLeary as "Charles Darwin",

Patrick Morris as "Asa Gray" and Gracy Goldman as "Jemma".

Re:Design takes us back to the start dramatising the intimate exchange of letters between Charles Darwin and the devoutly Christian Harvard botanist, Asa Gray. Serious thinkers, family men, patriots, wrestling with the issues of their own day and ours. The characters of Darwin and Gray unfold through the eyes of Jemma, a modern-day artist and film-maker wrestling with the very same issues 150 years on....

Sunday, November 22, 2009

6:00 p.m.

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St. Lawrence String Quartet. Walter Hall. 7:30 p.m. Tickets \$25, students and seniors \$15.

Monday, November 23
NEXUS percussion ensemble. Walter Hall. 7:30 p.m. Tickets \$25, students and seniors \$15.

Voice Performance Class.
Tuesday, November 17
First-year undergraduate students perform. Walter Hall. 12:10 p.m.

Tuesday, November 24
Presentation and master class, Chantal Lambert and Jacques Marquis. Walter Hall. 12:10 p.m.

Jazz Concerts.
Tuesday, November 17 to Thursday, November 19
Small jazz ensembles. Walter Hall. 7:30 p.m.

Tuesday, November 25
Vocal jazz ensemble and 11 O'Clock Orchestra. Walter Hall. 7:30 p.m. Tickets \$14, students and seniors \$8.

Thursdays at Noon.
Thursday, November 19
Celebrating Lois Marshall and Maureen Forrester, a re-creation of the 1973 duet recital tour of Lois Marshall and Maureen Forrester. Walter Hall. 12:10 p.m.

Wind Ensemble.
Saturday, November 21
NEXUS, guest artists; Gillian Mackay, conductor. MacMillan Theatre. 7:30 p.m. Tickets \$14, students and seniors \$8.



PLAYS & READINGS

Don't Drink the Water.
Tuesday to Saturday, November 10 to November 14
Based on the book by Brenda Lee Burke; adapted under the direction of Marc Richard. Theatre Erindale presentation. Erindale Studio Theatre, Communication, Culture & Technology Building, U of T Mississauga. Weekend performances, 8 p.m.; weeknights, 7:30 p.m. Saturday matinee 2 p.m. Tickets \$14, students and seniors \$9. Box office: 905-569-4369.

The Candle King (O Rei de Vela).
Sunday, November 15
By Oswald de Andrade (Brazil, 1933); Fighting Words: Pugnacious Plays for

Tough Times series. Robert Gill Theatre, Koffler Student Services Centre. 2:30 to 5 p.m. Donation to the U of T Food & Clothing Bank or \$5 at the door. *Study of Drama*

A Midsummer Night's Dream.
Friday and Saturday, November 20 and 21; Wednesdays to Saturdays, November 25 to December 5
By William Shakespeare, directed by Jeremy Hutton; Hart House Theatre presentation. Hart House Theatre. Performances at 8 p.m.; Saturday matinee, 2 p.m. Dec. 5. Tickets \$25, students and seniors \$15.

EXHIBITIONS

**U OF T ART CENTRE
Gord Peteran:
Furniture Meets Its Maker.**
To December 5
Gord Peteran uses fine cabinetry, found objects, assemblage and sculptural techniques to create a series of works that do not function as furniture, that are quite distinct from craft and that are not classifiable as design. Laidlaw Wing, University College. Hours: Tuesday to Friday, noon to 5 p.m.; Saturday, noon to 4 p.m.

**ERIC ARTHUR GALLERY
FACULTY OF ARCHITECTURE,
LANDSCAPE & DESIGN
Jeremy Sturgess:
Themes and Variations.**
To December 12
This thematic exhibition of selected works commemorates three decades of practice for architect Jeremy Sturgess. Gallery hours: Monday to Friday, 9 a.m. to 5 p.m.; Saturday, noon to 5 p.m.

**BLACKWOOD GALLERY
U OF T MISSISSAUGA
Fall Out.**
To December 13
Artists Robyn Cumming, Simone Jones, Zilvinas Kempinas, Erika Kierulf, Kristina Lahde, Paul Litherland, Valerian Maly, Tom Sherman and Don Simmons explore gravity; curated by Christof Migone. Gallery hours: Monday to Friday, 11 a.m. to 5 p.m.; Sunday, 1 to 4 p.m.

**DORIS MCCARTHY GALLERY
U OF T SCARBOROUGH
Ellen Moffat: COMP OSE.**
To December 13
An exhibition of two new media works that use interactivity, inquiry, perceptual teach and high low technology in sound composition and text generation; co-presented with the Kenderdine Art Gallery. Gallery hours: Tuesday to Friday, 10 a.m. to 4 p.m.; Saturday and Sunday, noon to 5 p.m.

**ROBARTS LIBRARY
The Story of Naples From
Antiquity to Modernity.**
To December 15
Books, maps, archival documents, photographs, reproductions of

paintings, postcards and annotations pertaining to the history of Naples from 1400 BC to the present; curated by Anna Makolkin and sponsored by Italian studies. Second floor. Hours: Monday to Friday, 8:30 a.m. to 11 p.m.; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.

**THOMAS FISHER RARE BOOK
LIBRARY
Endless Forms Most Beautiful:
The Natural History of Charles Darwin.**
To December 18
An exhibition of books and manuscript material commemorating the 200th anniversary of the birth of Charles Darwin. Hours: Monday to Friday, 9 a.m. to 5 p.m.

MISCELLANY

Service of Remembrance.
Wednesday, November 11
The service includes the recitation of the poem *In Flanders Fields*, written by UC alumnus John McCrae, the singing of traditional hymns, readings, laying of wreaths, *The Last Post*, *The Lament*, *Reveille* and the royal and national anthems. Carillon prelude and postlude. A reception in the Great Hall of Hart House follows the service and the Memorial Room museum in Soldiers' Tower is open for visitors. Soldiers' Tower. 10:15 to 11 a.m.

**Ars Medica Fifth Anniversary
Launch.**
Tuesday, November 24
Fifth anniversary issue launch party, with readings by contributors to this issue of *Ars Medica*, a biannual literary journal that explores the interface between the arts and medicine and examines what makes medicine an art. Senior Common Room, Massey College. 7 to 10 p.m. Voluntary cover charge \$10 or a subscription to *Ars Medica*.

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Good teaching is spelled with Cs and Rs

By Keren Rice

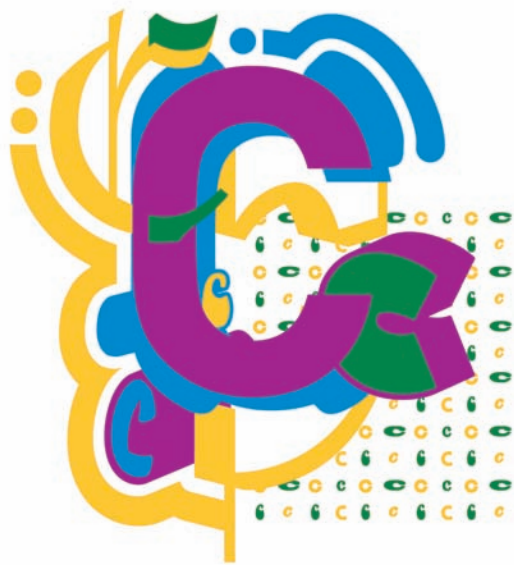
Our stories as teachers often begin with our stories as learners. In the early 1970s I was doing linguistic fieldwork in the Northwest Territories. The day before I was to leave I asked Therese, the person I was working with, what else I needed to know. She said two words, remarking that there was a difference between them and it was important that I hear that difference. Both sounded the same to me and I could not understand what she was getting at. Yet lessons from Edward Sapir, perhaps the foremost linguist of his day, made me know that the speaker of a language has insights that can be difficult for the non-speaker to understand. After some time I came to understand what Therese wanted me to see. The two words *were* very different, differing only by where the high tone on them occurred! Moreover, the difference had profound implications for understanding how the dialect related to other dialects, challenging claims about sound changes that had taken place. This was an important moment of discovery for me and an exciting moment for Therese, when she saw that she had made her point clear, stimulating me to understand something that I had simply been unable to comprehend. Therese provided the structure for me to figure something out as if I had come to it myself, providing both of us with a sense of joy. It is this kind of teacher that I aspire to be.

What interests me about teaching and education? I try to capture this with words beginning with *c* and words beginning with *r*, words that encompass the role of teaching and learning for me.

Community. We live in communities and interact in communities of all sorts. And just as life is about communities, teaching and learning is about being part of, and helping to create and foster, communities. Communities are of all types — as small as a graduate student and adviser and as large as a big undergraduate class, a teacher and TAs; they exist within the university and outside it; they bring together people with like interests and people with fundamentally different beliefs. Within a community, room is needed for further communities — a full group, one on one, different small groups. Communities are perhaps simplest to achieve in small groups where it is easy to foster discussion and do group projects that get people working together and sharing ideas. Within the academic community, I encourage students to work in groups and to get to know each other and recognize the strengths that each brings. It is more challenging to create communities in large groups within the university but

this can be done through tutorials, judicious use of technology and being available. These communities sustain themselves over time and facilitate the building of relationships that often last a lifetime.

Communication. I began this article by talking about communication. Teaching involves communication, teacher to student, student to teacher, student to student. As teachers we remain students and students are often teachers. Keeping open communication lines and respecting each partici-



pant for what they have to bring is important in teaching. Communication requires clarity of vision and expression. It involves questioning oneself. What are the goals of a teacher broadly defined? What are the goals in a particular course or relationship? What is the best way of meeting those goals in this particular setting? Is the teaching working in this group? How might it be made more effective? Communication involves provoking enthusiasm in the students and engaging and encouraging them to take interest in and responsibility for their own learning.

Challenge. I also began with a challenge, that of making me understand something that was not clear to me. Everyone engaged in a learning experience strives to understand something they have not before. This something might differ from student to student, teacher to teacher, time to time. No single model exists in which every individual is a successful student and teacher and it is a challenge to the teacher to find the way to stimulate a particular individual and group. This is obvious in working with graduate students and with undergraduates in independent study courses and reasonably small classes where part of the responsibility of the teacher is to pinpoint ways to enable an individual to excel, working with the student to identify an appropriate path and recognizing that that path might be inappropriate for the next student. The same happens in classes — classes have personalities that a teacher needs to be sensitive to, while at the same time

demanding a high level of achievement. The teacher challenges her/himself and students to do more than they think they can, to trust their knowledge, to define what their best is and to strive for it. Challenge also comes in taking on new activities as a way of learning and encouraging students and others to dare to take risks.

Citizenship. Education is important to have a strong populace — teaching involves empowerment. One responsibility of a university is to educate people to be good citizens. The



classroom is an important venue for this: students learn to listen, formulate and present ideas, respond to new ideas, value diverse opinions, weigh factors in making decisions. In some courses citizenship is inextricably involved with the course material — this is directly obvious in the undergraduate course, Language Revitalization, that I sometimes teach.

It is less directly obvious in the joint undergraduate-graduate field methods course that I teach but here the learning experience would fail if we were unable to create the learning community that is at the core. It is even less directly obvious in a theoretical course like undergraduate phonology. Even in this case, however, the synthetic and analytic skills that students develop stand them in good stead throughout their lives. They learn to think critically and carefully, taking a wide range of factors into account; they learn that the more they engage, the more they get.

Faculty are mentors to students and model the value of citizenship activities. These activities, often considered ancillary to teaching and research, create richer learning environments and serve to show students the value and many intangible and tangible ways of being a good citizen.

I now turn to the *r*'s, not the familiar readin', and writin' and 'rithmetic, but words of process rather than content.

Respect. Respect for all in a teaching setting is important — respect on the part of the teacher for each and every student; respect on the part of students for the teacher and for each

other. Respect for the knowledge that is being shared is another aspect of this.

Relationships. Through the building of communities, we create relationships. These relationships enhance the learning experience and help foster respect for the diverse kinds of knowledge that students and teachers bring to their learning experiences. They are at the heart of the communities they build and the relationships, like the communities, become part of a lifetime of learning.

Reciprocity. Teaching and learning work best when they are reciprocal, with teachers and students recognizing that the process flourishes when both do their parts to the best of their abilities.

Responsibility. The teacher has a responsibility to be as prepared as possible — to plan, to think about class and individual needs, to do their best to stimulate and engage the students, to listen, to change when the situation calls for it. And students, too, have a responsibility to be open to learning new things, to value differences, to perform to the best of their

abilities.

Through teaching, be it to undergraduate or graduate students, senior citizens in later-life learning, faculty that I am mentoring, authors whose articles I am reviewing, departments that I am reviewing or community members, my goals are as follows:

1. Help create and enhance communities
2. Communicate clearly and appropriately for the group
3. Challenge individuals and groups to go further
4. Create good citizens
5. Foster respect, relationships, reciprocity and responsibility
6. Learn, and give.

Teaching at the University of Toronto has let me be a teacher and a learner and created numerous rewarding moments with students, both undergraduate and graduate. I hope that I have been able to pass on to some of these students the gift that Therese gave to me, the joy of being a learner and the joy of being a teacher.

Professor Keren Rice of linguistics is a member of the University of Toronto Teaching Academy. The Teaching Academy was founded in 2006 and consists of members who have received the President's Teaching Award, the highest honour for teaching at the University of Toronto. While individual members of the academy serve as teaching ambassadors, the collective advances teaching as a valued pillar at the University of Toronto.