

# insidetrU

Thompson Rivers University's *Comprehensive News Magazine*

THOMPSON RIVERS UNIVERSITY 



Above: The iCompass team, from left to right is Vera Merkusheva, Shannon James, Paul Archer, Peter Bijl, and Todd Stone. Sitting in the centre: Brian Denomey (left) and Ryan Ternier.

Right: Premier Gordon Campbell and Todd Stone at the official opening of the TRU Residence and Conference Centre.

## TRU grads navigate success for local tech firm

When it comes to making the link between campus and community for a local technology firm, it seems all connections in Kamloops lead to TRU.

According to Todd Stone, CEO of iCompass Technologies, who was recently awarded the 2006 Technology Innovator Award at the Kamloops Chamber of Commerce Business Excellence Awards, his company's success is directly linked to his employees.

"We wouldn't be where we are today without the pool of talented people we hire from TRU."

Measuring the indirect economic spin-offs as Kamloops gains a reputation for its skilled technology professionals is less tangible.

The first employee Stone hired in 1998 was a TRU grad. His company has hired 23 co-op students from the university. Currently, TRU grads make up nearly 30 per cent of the company's total employees. Five graduated from the Computer System Operation Management (CSOM) and one is a Bachelor of Technology in Applied Computer Science (BTACS) graduate.

iCompass provides governments with web tools to automate their administrative functions, technologies that have been purchased by nearly 300 municipalities from BC to Ontario, and is beginning to enter the US market.

This month Stone expects to hire three more employees. One position is for former CSOM co-op student Terra Holdbrook, who just finished her diploma in December, and he's looking to BBA or MBA grads to bring sales and customer service skills to the mix.

Ryan Ternier, (CSOM 2004) started at iCompass two weeks after graduation. Like many others in the program he had set his sights on working in Vancouver's video gaming industry. After hearing a few horror stories of grueling hours required by some of the West Coast's game producers he opted for a career that didn't compromise his lifestyle.

Ternier's workstation at the Seymour Street office is equipped with a lava lamp and a Nerf dartboard. He says with a grin, "We have a lot of fun, the hours are flexible and I can have a home life."

Ternier works on the development and design of the company's web-based applications. He attributes his success to the faculty at TRU saying, "Not only did they impart their knowledge of the technology, they instilled a work ethic."

For Stone, TRU is more than a source of new talent for his company. He has been the volunteer Vice Chair of the university's Board of Governors since 2001.

"It's been an incredibly exciting place to be the last few years," Stone said. "It has been an amazing opportunity to be on the board while the university has been going through the transition from UCC to TRU."

He maintains his positive outlook regarding his volunteer commitments despite being constantly conflicted between the board's demands, his growing business and his young family (he and wife Chantelle have two daughters under three).

At this year's TRU Foundation award ceremonies, Stone presented iCompass' inaugural award for \$1,500 to a student in need in the technology programs.

"TRU has been good to us," he said. "It's time to give back."

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This winter Thompson Rivers University will be the beneficiary of one of the most impressive athletics and recreation venues in the nation. Soon, the City of Kamloops will open its new Sportsplex and Hillside Stadium facility on our campus.

Recently, I had an opportunity to tour the new field house and I was both impressed and confident that these new facilities will position the City of Kamloops and TRU in a way that is second to none. Not only will these facilities provide outstanding recreational opportunities for TRU students and staff, they should also attract national and elite caliber athletes to Kamloops for training and to Thompson Rivers University for their studies.

The Hillside Stadium complex is a significant extension of the legacy established by the university's and city's partnership in creating the Canada Games Aquatic Centre for the 1993 Canada Summer Games. Indeed, the synergy between TRU and the City of Kamloops took on a new dimension about five years

ago when a partnership was struck to jointly plan the zoning of lands adjacent to our campus. The resulting McGill corridor plan has and will guide development of Kamloops as a "university city."

Evolving from the McGill corridor plan, TRU's Westgate entrance incorporated a key transit loop on our campus, making the implementation of the Transit U•Pass an affordable way for all our students to have transportation throughout the city. Our students also benefited by the bundling of recreational access to the Canada Games Pool with the U•Pass program.

These successful partnership projects with the city led to an invitation by it for TRU to participate in the city's new water treatment plan. TRU was invited to develop classroom and research laboratory space in this facility and, as a result, new courses, programs and research on water treatment have evolved. Again, the partnership between TRU and the City of Kamloops has created significant value for both.

As we look forward to the opening of the new recreational facilities in the new year, it is worthwhile to think of the many successes that have resulted from the support and commitment that TRU so generously receives from the City of Kamloops. This is an unusual and unique relationship between a municipality and university that has had a significant impact on our development as a university and on the City of Kamloops development as a "university city."

We should all be very proud of what we have achieved together, but more importantly, we at TRU should be very appreciative of the support we get from the city and its citizens.

  
Roger H. Barnsley, President

## 2 > OFFICE OF THE PRESIDENT

# Achievements

### Ross Nelson

#### Geography

At a conference on housing and urban research hosted by the University of Uppsala's Institute for Housing Research in Gävle, Sweden, Ross Nelson gave a paper entitled "Patterns of Migration in a Peripheral Northern Economy: the Case of British Columbia." He was also invited to present papers at the of Gävle on "Measuring Segregation in Cities" and the "History of Urban Form in Western Culture."

### Naowarat Cheeptham

#### Department of Biological Sciences

Assistant professor Cheeptham was interviewed by the American Society for Microbiology (ASM) on Tempeh production in an undergraduate Introductory Microbiology lab at TRU. The Microbe World Radio Podcast was played during the ASM's General Meeting and ASMCUE in Orlando, Florida in May and was re-aired in the fall on www.microbeworld.org

### Fred Cunningham

#### University Preparation

Fred Cunningham, along with Nancy Twynam, Student Development, performed with their respective choirs at Carnegie Hall in New York on Mar. 13, 2006. They sang two works by Imant Raminsh along with 88 members of three BC Interior choirs.

### Ehsan Latif

#### Department of Economics

Dr. Ehsan Latif has had two papers accepted for publication in refereed journals: "Labour Supply Effects of Informal Caregiving in Canada" in Canadian Public Policy (Dec. 2006) and "Socio Economic Determinants of Obesity in Canada: New Evidences from Panel Data" in the Southern Business and Economic Journal.

### Amy Tucker

#### Open Learning Division

Customer Service Officer Amy Tucker graduated with a Post-Baccalaureate Certificate in Business Administration at TRU's fall convocation. This follows her recent credential of Master of Arts degree (Leadership and Training) from Royal Roads University (2004). Amy is now pursuing her Doctorate of Education at Simon Fraser University.

### Ron Smith

#### Visual and Performing Arts Department

Dr. Smith was the panel moderator on Canadian Documentary Film and presenter of Donald Brittain's The Champions: Words That Glow in the Dark at the 2006 Film and History League Fourth Biennial Conference, "The Documentary Tradition," held in Dallas, Texas, Nov. 2006.

### Darryl Carlyle-Moses

#### Department of Geography

Darryl Carlyle-Moses and Tony Price, a colleague at the University of Toronto, have published a paper in the international journal Hydrological Processes. The paper "Growing-season stemflow production within a deciduous forest of southern Ontario" was presented by Darryl at the Canadian Geophysical Union Annual Meeting in May of 2005. The results of the paper are significant in that they will help Darryl and other hydrologists construct mathematical models that simulate how rainfall is partitioned into stemflow—water that is intercepted by tree canopies and subsequently flows down tree branches, boles and trunks to the forest floor.

### Ernie Kroeger

#### Visual & Performing Arts

In early October Ernie Kroeger attended the opening of his first solo exhibition in Europe. The exhibition, entitled Scritti di Natura, is hosted by the Museo Nazionale della Montagna in Turin, Italy and will run until May 1, 2007. The exhibition includes 43 black and white panoramic photographs taken in the Rocky Mountains and Rogers Pass. A publication, with all the photographs as well as essays by independent curator Karen Love and Kroeger, accompanies the exhibition. The museum has purchased the entire exhibition for its archives.

### Donald Lawrence

#### Visual & Performing Arts

### & Will Garrett-Petts

#### English and Modern Languages

"Witness Marks, The Exotic Close to Home" was a collaborative project/residency in The Lab, at the Art Gallery of Greater Victoria during July and August of 2006.

### Darlene Kalyinka

#### Visual & Performing Arts

Reidentification, a trilateral print exhibition, opened at the Pendulum Gallery, Vancouver Sept. 7. This international group exhibit (Canada/Japan/Holland) was also part of Japan Studies conference held at TRU in October. An associated mini print exhibition opened at Malaspina Printmakers Gallery, Vancouver, Sept. 14.

### Shima Iuchi

#### BFA 2003

Illuminations opened Sept. 8 at the Richmond Art Gallery. Illuminations was created as part of the CURA research project and was previously exhibited at the Kamloops Art Gallery. Shima Iuchinow works at the Banff Centre for the Arts.

### Martin Whittles

#### Centre for the Study of Canada

#### Interim Dean Williams Lake Campus

Dr. Whittles recently participated with Roaming Pictures of Vancouver in the making of the documentary film "Brocket 99—Rockin' the Country."

The controversial film won the Sequences Prize for Best Documentary Film at the 2006 First Peoples' Festival of Montreal, and has been featured at the 2006 editions of the Calgary International Film Festival and Edmonton International Film Festival.

The documentary traces the creation and circulation of a bootleg racist audio-tape falsely purporting to originate at an Aboriginal radio station at Brockett on the Piikani Reserve in Alberta. In 1995, a student presented a copy of the audio-tape to Dr Whittles, who initiated a complaint to the Alberta Human Rights Commission and proceeded to research the origins and social consequences of the audio-tape.

### David Diviney

#### Visual & Performing Arts

David Diviney's solo exhibition, Hollow, and associated talk opened Sept. 9 at the Helen Pitt Gallery in Vancouver, in conjunction with Swarm, a festival of artist-run culture.

### Robert Higgins

#### Biological Sciences

Robert Higgins, along with BS Lindgren, have published a book review, Hansen LD, Klotz JH. 2005. Carpenter Ants of the United States and Canada. Cornell University Press, 204 p. Bulletin of the Entomological Society of Canada. 38(3):106-107, 2006.

The collaborators have also contributed "The fine scale physical attributes of coarse woody debris and effects of surrounding stand structure on its utilization by ants (Hymenoptera: Formicidae) in British Columbia, Canada." In: Grove SJ, Hanula JL, eds. Insect biodiversity and dead wood. Proceedings of a symposium for the 22nd International Congress of Entomology; 2004 Aug. 15-21; Brisbane, Australia; Southern Research Station, Forest Service; USDA. Gen. Tech. Rep. SRS-93: p. 67-74.

### Carly Thorp

#### BBA Program

Carly Thorp, a new student in the BBA program, and recipient of one of this year's TRU Ambassador's Entrance Scholarships, has been selected to represent BC at the Canada Winter Games in the demonstration snowboarding event, Parallel Giant Slalom. The Canada Winter Games will be held in Whitehorse, Feb. 24 to Mar. 10, 2007, with snowboarding debuting as a demonstration sport. Carly has also been selected for the BC Snowboard Cross team and will be training at Sun Peaks and Big White and then attending BC and Alberta races, including Nor-Am Cup events.

### Karl Hardt

#### Fourth-year journalism student

Karl Hardt, a recipient of a Jack Webster Foundation 2006 Student Journalism Award, has co-published with Marc Edge, a sessional journalism instructor, an article in the Canadian Journal of Communication, Vol. 31 (2006) 581-598. Marc Edge and Karl Hardt, "Doing It for Themselves: Striking Newswriters Publish the Castlegar Citizen, 2000-2005."

### School of Trades and Technology

TRU School of Trades and Technology along with the Canadian Home Builders Association Kamloops were among four local builders singled out for excellence at the 2006 Regional Tommie Home Builder Awards. They won a silver Tommie Award in the Outstanding Contribution to the Housing Industry by an Individual or Group category for the 2006 Training House, or as it is better known, the YMCA Dream Home.

### John Bratton

#### Sociology and Anthropology

Dr. Bratton has contributed four chapters to Organizational Behaviour in a Global Context, a book by Dr. Albert Mills of St. Mary's University's which was published in September by Broadview Press. His chapters include: Learning in Organizations, Groups and Teams in Organizations, Organizational Structure and Design, and Organizational Leadership. The third edition of his Human Resource Management text, co-authored by Jeffery Gold and published by Palgrave MacMillan, UK, has been translated into Chinese, with the fourth edition (English) due to be published in February.

Also in February, Dr. Bratton's own book, Work and Organizational Behaviour: Understanding the Workplace, will be published by Palgrave MacMillan, UK.



Doug Sweeney

### Doug Sweeney

#### Occupational Health and Safety Services

Doug Sweeney has received the 2006 Lieutenant Governor's Individual Award for Public Safety. He was nominated for demonstrating a commitment and devotion for matters of public and occupational safety for over 31 years.

Sweeney has recently devised a tool that has been successfully applied to the analysis of incidents and accidents involving pressure vessels, aviation and aerospace, amusement rides, trains and maritime shipping. Although very marketable, Sweeney is releasing the tool to the public domain.

Established in 2005 and administered by the British Columbia Safety Authority, the Lieutenant Governor's Award for Public Safety recognizes an individual and an organization or group that has demonstrated exceptional leadership, innovation or achievement in the promotion of safety in BC.

### Gordon Titchener

#### School of Tourism

Gordon Titchener delivered a workshop on e-learning entitled "Beyond the Firewalls: the creation of a global tourism education network" at the 25th Annual Meeting of ISTTE (International Society for Travel and Tourism Education) in Las Vegas in October. Gordon was also on the organizing committee for the NET (National Extension Tourism) Conference held in Burlington, this year, which saw a record number of attendees sharing ideas on rural tourism development. At that event he spoke on the development of community charters, a bottom-up and open source approach to sustainability, and lessons learned from the New Zealand experience.

### Nancy Levesque

#### Library

University Library Director Nancy Levesque has been elected co-chair of the e-Health Library of BC, an initiative of the BC Academic Health Council, that provides access to health research databases for BC's post-secondary libraries, health authority libraries, students, faculty, researchers and health care professionals.

Jeff McLaughlin and Nancy Levesque  
with the Holocaust Archives



## TRU Library acquires archive of BC's Holocaust survivor testimonies

The Thompson Rivers University library has become the home of the only archive of the province's Holocaust survivor testimonies.

Dr. Jeff McLaughlin, assistant professor of philosophy at TRU, located the Holocaust archives when he was researching the ethical decision making of persons involved with the Holocaust. He was preparing materials for his new course on the topic, Philosophy 491.

The collection of 74 DVDs is part of the legacy from the University of Southern California Shoah Foundation Institute for Visual History and Education. Established in 1994 by Steven Spielberg after filming Schindler's List, the foundation documented the experiences of survivors and other witnesses of the Holocaust by videotaping more than 50,000 testimonies in 32 languages, by people living in 56 countries.

Although the USC Shoah Foundation Institute has some association with either a library, university or government department in most countries of the world (for example France and Germany purchased thousands of records of survivors from their countries), McLaughlin discovered there was no such major collection associated with any institution in Canada.

With endorsement from TRU's department of Philosophy, History and Politics, plus support from the School of Education, McLaughlin arranged for TRU's library to purchase the entire collection of BC survivor testimonies for the people of BC.

"The purchasing of this collection fit perfectly into the library's collection policies," Nancy Levesque, TRU University Library Director, said. "It was affordable and enables us to support the teaching, learning and research activities of the university."

"As TRU grows and offers more graduate programs, accessing primary source research materials to our students becomes increasingly important."

The collection will also be available to other university students through interlibrary loan.

"The Holocaust has been studied at length from psychological, historical and political perspectives; there has been limited analysis from philosophers on the ethics of the Holocaust," McLaughlin said.

Each DVD is two to four hours long, giving students and faculty access to hundreds of hours of primary research material.

"Viewing the survivor testimonies, people who could be the student's neighbours, or grandparents, will give them an opportunity to theorize, understand, evaluate and

perhaps gain insight into the current issues of genocide in Rwanda and Darfur," McLaughlin said.

The visual testimonies in TRU's collection include those imprisoned in the concentration camps, as well as those who survived either by hiding through the pogrom or those who hid others and how a member of the Sonderkommando (special unit for the gas chambers) escaped death during the Holocaust.

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### New at the library

Ask Away, live online chat. Students, staff and faculty can contact librarians from 20 BC academic libraries (including TRU). The service is available through the TRU Library's "Ask a Question" webpage, linked to from every library webpage, [www.tru.ca/library/askaway.html](http://www.tru.ca/library/askaway.html)

**Ask Away is available 7 days a week:**

Sunday through Thursday, 11am-9pm

Friday and Saturday, 11am-5pm

## TRU Start sets courses for smooth sailing into university

For Will Garrett-Petts, teaching a small group of young students in a special section of English 111 is more than just introducing them to the study of literature. The group of local Grade 12 students were also being introduced to the Thompson Rivers University experience—and earning credits for high school graduation and first year university at the same time.

Along with a few members of the Kamloops Blazers, those students recommended by their high school principals made up a pilot class that started in October, pioneering the next phase of the transitions program spearheaded by TRU and School District 73, called "TRU Start."

"I was very impressed with the energy, talent and enthusiasm of the students in the initial class of TRU Start," said Garrett-Petts, English and Modern Languages chair. "They were clearly outstanding high school students, busy with academics, leadership activities and sports as well as taking advance placement courses."

By setting aside time for a one-to-one meeting with the students and staying in touch with sponsoring teachers and school district coordinators on a list-serve, Garrett-Petts said a curriculum scaffolding is built to aid the student's successful transition to university.

The ease of transition from high school to university is why Julia Hammond signed on to TRU Start.

"If I am eased into university I can become more involved in post secondary education," she said.

Hammond will graduate this June from North Kamloops Secondary and plans to complete her B.Sc. degree at TRU before going on to earn a masters degree, and begin a career as an audiologist.

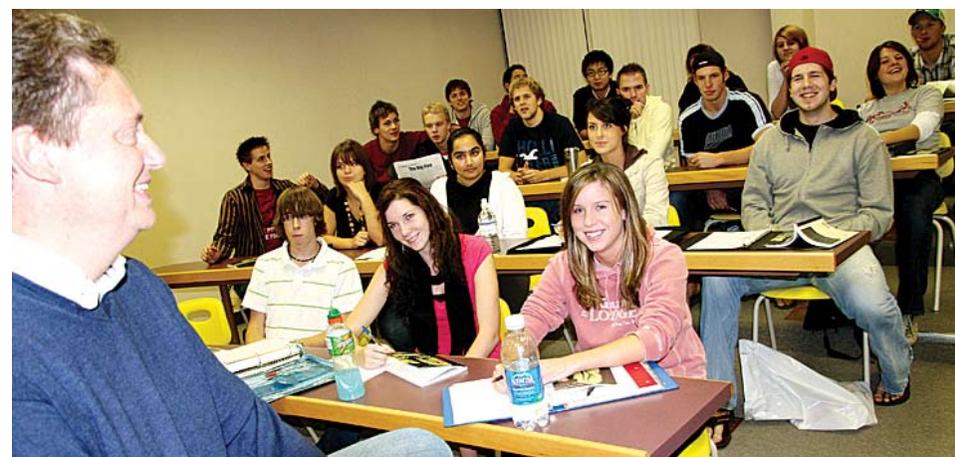
Beginning this semester, 167 Grade 12 students from throughout the district will be earning dual credits in 35 courses, including selections from first year sociology, history, psychology, pre-calculus, physics, geography and biology.

According to Greg Howard, TRU/School District #73 Transitions Advisor, registration closed Nov. 1, with all available spaces filled. He is confident there will be an even greater interest in September 2007 and expects to have more first-year seats available.

TRU Start spaces are limited to four per class, and are scheduled late in the afternoon or early evening, after regular high school classes have finished.

Originally, organizers considered offering the dual credit courses at high schools or within designated rooms at the university. Those ideas were quickly set aside in favour of integrating TRU Start students into regular classes.

"This way students will find out for themselves what is so excellent about TRU," Howard said. "It's not just the ivory tower. TRU offers something for everybody. Students are able to find their passion at TRU."



Will Garrett-Petts engages his students during English 111, the pilot course for the TRU Start initiative

"The program is an exceptional value for students," Josh Keller, TRU's director of Marketing and Communications, said. "The tuition costs are picked up the School District and students are only responsible for student fees and to purchase a U•Pass for access to all city transit and the Canada Games Aquatic Centre.

"Students need to start planning for TRU Start in Grade 10, choosing courses in Grade 11 that will provide the prerequisites for transition courses in Grade 12."

The new TRU Start incentive builds on a highly successful transitions program that has been available to trades students since 1998.

"We started with four programs," Howard said. "Now we have Grade 12s going into 12 programs."

In recent years retail meat cutting and cook training have been added to the mechanical and building trade offerings, and more options are being considered for next fall.

# 2006 Lieutenant Governor's Award



The Lieutenant-Governor's silver medal is awarded to a student in a one-year post-secondary program who demonstrates both high marks and community service.

This year's winner is an exemplary student and active volunteer.

Ann Scott came to TRU to complete a Social Service Worker certificate after years away from the classroom when injuries from a car accident forced a career change.

A former dental assistant who worked in the Lower Mainland and her home town of Kamloops for 16 years, Ann balanced life as a wife and mother of two young sons while maintaining high grades and giving of her time to volunteer work on campus and in the community.

Now enrolled in TRU's Child and Youth Care diploma program, she remains involved with the TRU Peer Support Team, the TRU Appeal Committee, the TRU Student Leadership Program, and as a class representative. She has also volunteered in the community, working as a court worker for the Elizabeth Fry Society and designing an information brochure for visiting international students enrolled within School District #73.

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## Major increase in student awards at TRU

TRU students were awarded a total of \$1.3 million this year, the largest amount in the Foundation's 24-year history.

On Nov. 23, 326 students received a total of \$391,000 in award money, from the donors who established the awards. It was an increase of \$100,000 over last year.

A second ceremony was held on Nov. 30, when 183 students received \$118,000 more from the Foundation's unrestricted fund.

These awards were in addition to the \$465,000 in bursaries and entrance scholarships awarded by the TRU Board of Governors at the beginning of the year.

The November awards capped off the month-long annual Foundation campaign where at the Oct. 11 kick-off breakfast, the TRU Foundation raised \$71,065.

As well as an increase in unrestricted funds, there was an increase in new annual awards and endowment funds. Donor Ken Lepin's \$50,000 endowment made up 70 per cent of the campaign's kick-off total.

Lepin, a local developer, earmarked his donation for five entry-level trades students who demonstrate excellence in TRU trades apprenticeship programs. In addition to his endowment, the local developer made a planned giving bequest that will add to this endowment for further support to trades students in perpetuity.

"From personal experience I can tell you what a tremendous feeling it is to hand out an award to a student at the annual awards ceremony," said Foundation Board Chair Dave Shaw.

"From my perspective, one of the most

meaningful comments I have received from a student is that this gift has enabled them to decide to continue into the next semester with some financial security and stability."

The Foundation's 15-member volunteer board and 62-member volunteer society have now raised over \$6.9 million in 206 endowment funds, established 205 annual funds, and raised over \$1 million in planned giving expectancies advised to the Foundation last year, to support student awards, program needs and special projects at TRU.



Valedictorian Kevin Hewins (centre) is applauded by Ron Olynyk, Chair, Board of Governors (left) and Mark Evered, Vice President Academic

## First Fall Convocation for TRU features first TRU Master Degree grads

The university's first-ever Fall Convocation Ceremony was not as big as the Spring Convocation, but it was every bit as meaningful.

Of the 285 potential grads eligible to participate in the fall convocation, nearly 100 took advantage of the occasion. It was TRU's first graduating class from its newly minted Master of Business Administration degree program that made the ceremony its own.

"The entire class of MBA grads, all 27 of them, took part in the

fall convocation," Maryanne Bower, Executive Assistant, Board of Governors and Convocation Coordinator, said. "That proves how important having a fall ceremony was, and how proud they were of the program.

"By next summer these graduates will be working or in doctoral programs, it wouldn't be so easy for them to get away for convocation."

Bachelor of Science in Nursing (BSN) grads, along with a few graduates from a number of other

programs were those graduates who had completed their academic requirements during summer studies.

Kevin Hewins, the ceremony's valedictorian, was selected from the MBA program.

Born in Campbell River, Hewins graduated from high school there in 1998. After completing a Bachelor of Business Administration degree at TRU in 2005, he immediately enrolled in the new master degree program. During the 16-month program he held down a part-time job, and

maintained a 4+ GPA. He was named to the Dean's List and received the Convergys Scholarship. Hewin's future plans include earning a PhD in organizational behaviour and becoming a university professor.

The next cohort of MBAs is well on its way, with 30 students starting their post graduate studies in the fall, most in the General Management concentration.

## Events

**WINTER ORIENTATION**, Jan. 9–11, 10am–2pm. Look for info booths in OM, CAC, IB. TRU Orientation presents its annual winter event. For info call 371.5835.

**LIVE THEATRE**, Jan. 11–13 and 18–20, 8pm. Actors Workshop Theatre: "After the Fall" by Arthur Miller. For info call 828.5216.

**ARTIST'S PROPOSAL & STATEMENT WORKSHOP**, Jan. 13, 10am–3pm. Arnica Studio. Four TRU instructors guide participants through creating a CV (Doug Buis 10–10:45am), writing a proposal (Donald Lawrence 11am–noon), creating an artist statement (Will Garrett-Petts 1–2pm) and documenting your work (Ernie Kroeger 2–3pm) at the Arnica Open Studio (232 Victoria Street). Cost: members \$10; non-members \$45; student members \$5; students \$25 (non-members fees include Arnica membership). For info or to register email: em1sedgman@xplornet.com.

**TRU IDOLS DRESS REHEARSAL**, Jan. 18, 7pm. Grand Hall. Free show! Dress rehearsal for annual TRU Idols event. For info call 371.5835.

**TRU IDOLS SHOW**, Jan 19, 7pm. Grand Hall. Annual TRU Idols event. Tickets \$5, available at the door and various campus locations. Doors open at 6pm. For info call 371.5835.

**PROPOSAL DEADLINE, CANADA CONFERENCE**, Jan. 30. Deadline for paper/panel proposals for TRU Centre for the Study of Canada's "Still the 'Last Best West' or Just Like the Rest?" Interrogating Western Canadian Identities conference. For more info call 828.5238 or email: ratsoy@tru.ca or agagnon@tru.ca

**TEACHING PRACTICES COLLOQUIUM**, Feb. 19, with guest speaker Dan Pratt (UBC). For info call 828.5461. Time and Location TBA.

**TRU IN-SERVICE DAY**, Feb. 21, Time and location TBA.

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# research> matters

THOMPSON RIVERS UNIVERSITY



## TRU welcomes fourth Canada Research Chair

RESEARCH MATTERS

Norman Friesen has joined TRU's growing research team as a Tier 2 Canada Research Chair in E-Learning Practices. Friesen's five-year renewable position was announced recently by federal industry minister Maxime Bernier.

"The Government of Canada recognizes the importance of investing in university research," said Mme. Bernier, who is also the minister responsible for the Canada Research Chairs (CRC) Program, which will support Friesen's position with a half-million dollar grant. "This investment will enable our universities to develop the expertise and innovative ideas that fuel economic competitiveness and create new jobs for Canadians."

An example is technical e-learning standards, which provide ways of ensuring e-learning technologies meet Canadians' needs, and work together effectively. The potential proportional cost savings from the standardization work to which Friesen, a delegate to ISO (International Standards Organization) contributes, is conceivably in the hundreds of millions of dollars.

The advancement of e-learning technologies also holds major implications for the university, mandated by government in April 2005 to serve the some-10,000 distance and online learners formerly served by the now-disbanded BC Open University. The value of Friesen's work at TRU is expected to have many benefits for students and the research community.

"Having such an accomplished research chair with an e-learning focus on campus will definitely help us to develop more effective teaching and technology applications and practices," noted TRU-OL VP Judith Murray.

"The e-learning process is led by technology, but both the process and users prompt new uses of technology and new combinations of new and old, which is what open learning is all about. Dr. Friesen will definitely help us to lead the way in open learning, here and around the globe."

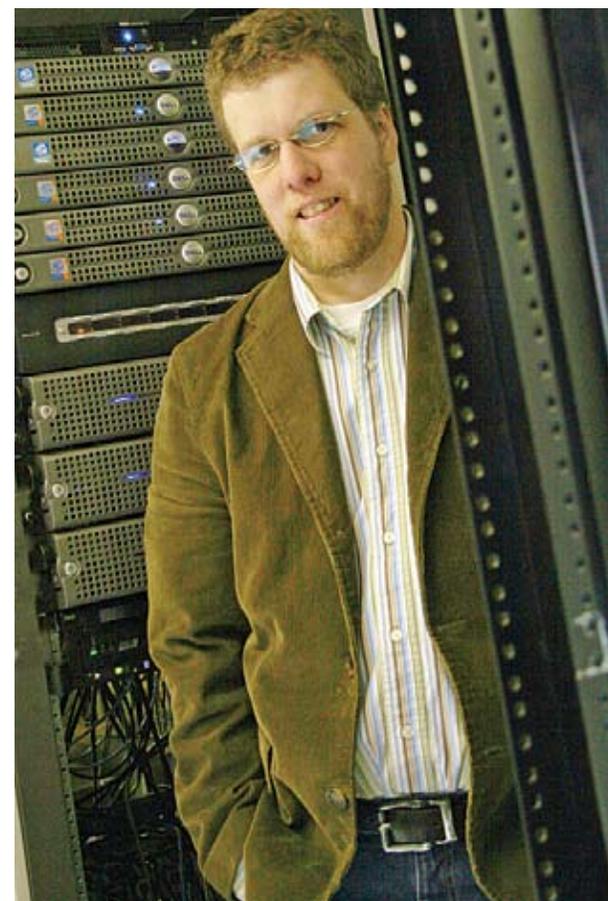
As Canada Research Chair in E-learning Practices, Friesen said he will use a range of interdisciplinary methods to illuminate the human aspects of e-learning, and to improve e-learning from the perspectives of both technology and practice.

"I will integrate my own research program with the priorities identified in TRU's strategic plan in order to study existing and exemplary teaching practices incorporating new technologies as they relate to TRU-OL's curriculum of courses and to e-learning concerns generally," Friesen said.

"Dr. Friesen joins three other Canada Research Chairs at Thompson Rivers University who bring new expertise to the university and engage with others to expand our capacity for world-class research and graduate studies," said TRU research AVP Dr. Nancy Van Wagoner.

"Dr. Friesen's work is really exciting for us because Thompson Rivers University will be leading the way in best practices in the use of technology for teaching and learning. Through research collaborations internally and around the world, Dr. Friesen and his colleagues will be evaluating and redefining the value of technology for education. TRU has a dynamic research environment and his contribution is important to our continued and growing success."

Dr. Friesen will establish a centre for studying e-learning technologies and practices which will function as an international network of those studying e-learning technology design and use, aid the development of technical e-learning standards, and help with research and development of best practices in e-learning activities and applications employed at TRU, in the Kamloops area, and beyond.



Dr. Norman Friesen

## A master undergrad

— with notes from Bart Cummins

How does a quiet, reserved environmental chemistry undergrad catch the attention of a doctor of chemistry who just 10 years ago was chosen as the best graduating student at the University of Havana in Cuba?

For Dr. Nelaine Mora-Diez, Trevor Brown's reliability, strong work ethic and high intellectual capacity was easily recognized in her small environmental and physical chemistry classes at Thompson Rivers University.

"He has the skills, critical thinking ability and initiative for independent work that are essential when pursuing research in any field of science," Mora-Diez said.

With a strong interest in science from as far back as he can remember and great attitude, Brown's research spark was kindled by Mora-Diez during two co-op terms, further evolving as she supervised his Directed Studies research project. Brown, who earned his Bachelor of Science in 2006, was searching for theoretical approaches by which to predict the acid equilibrium constants of benzimidazoles in water. These compounds have found applications in pharmacology as bactericides, antihistamines, analgesics, and antiulcer agents, among others.

As part of Brown's Directed Studies project during the winter of 2005, he also performed some experimental determinations under the guidance of Dr. Kingsley Donkor, who is also an Assistant Professor in Chemistry at TRU and has worked in this area for quite some time. Experimental challenges when determining acid equilibrium constants of benzimidazoles in water lie in the fact that these compounds are not readily water

soluble, and the experimental procedures are quite laborious. Brown used a variety of computational chemistry methodologies to tackle this task.

"I think that computational chemistry is going to see a lot of growth in the next few decades and get applied to many more scientific problems," said Brown, explaining the significance of his research that could have a range of applications, including environmental science, pharmacology and biochemistry.

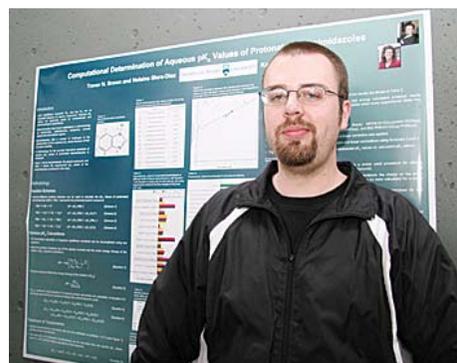
His research is so significant that he's gone on to his graduate program in chemistry at the University of Toronto with two published articles in a top chemistry journal in this field, the *Journal of Physical Chemistry*: "Computational Determination of Aqueous pKa Values of Protonated Benzimidazoles" (Parts 1 and 2) (*J. Phys. Chem. B*, 2006, 110, 20546-20554 and 9270-9279).

"Everything added to the pool of knowledge helps push the field forward. I think that the papers we published are thorough and accessible, so it will be a good read for other people trying to get into similar research," Brown said.

For her part, Mora-Diez found working with Trevor a very enjoyable experience.

"I wish him a bright future. Having published in a major journal this early in his academic life will certainly help him."

He presented his work at conferences in Victoria, Saskatoon, Kelowna and Vancouver. In May 2005 Brown explained his research at the Canadian Chemistry Conference and Exhibition held in Saskatoon after having received TRU-CUEF funding to attend. He had previously presented his work at the 2005 Western Undergraduate Chemistry



Trevor Brown with his poster

Conference at the University of Victoria. In March 2006 he presented posters at the Science Research Days at TRU and at UBC-Okanagan. In July he presented at the Canadian Computational Chemistry Conference being held at UBC. He also received TRU-CUEF funding to attend this conference.

Brown's work ethic enabled him to win a TRU-CUEF research scholarship and two NSERC-USRA awards.

In the summer of 2006 Mora-Diez jointly presented a poster with Trevor at the conference Electronic Structure: Principles and Applications, held in Santiago de Compostela, Spain. She also gave an invited presentation at the 32nd International Congress of Theoretical Chemists of Latin Expression in Côtes de Carthage, Tunisia. Mora-Diez was also invited to give presentations at the universities of Pisa and Siena in Italy, and in Spain at Barcelona, and at the Autònoma University of Madrid during the summer of 2006.

### Abdullah Mahboob & Travis Trudeau

In 2006, two other undergraduate students worked under the supervision of Dr. Mora-Diez: Abdullah Mahboob and Travis Trudeau (BSc 2006).

Abdullah is a third-year BSc student at Brock University that came to work with Dr. Mora-Diez during two co-op terms, from January to June. One of these terms was funded by an NSERC-USRA award. Travis Trudeau had an NSERC-USRA award during the summer of 2006. Both students presented their work at the Canadian Computational Chemistry Conference held at UBC last July. In addition, Abdullah made presentations at the Science Research Days at TRU and at UBC-Okanagan.

In June, Dr. Mora-Diez became Adjunct Assistant Professor in the Department of Chemistry at the University of Victoria.

Trudeau who has started his graduate studies in Chemistry at the University of Victoria working under the supervision of Dr. Mora-Diez, was awarded the 2006 TRU Robert Frazier Memorial Fellowship, an award for one science graduate who is accepted or enrolled in graduate studies in science or health sciences at a Canadian institution.

# Aging and health research centre

Dr. Wendy Hulko



— with notes from Andrea Zazzi

The Interior of BC shares with Vancouver Island the honour of having the highest proportion of older adults living in their regions, according to Dr. Wendy Hulko's speech to the Select Standing Committee on Finance and Government Service in the Fall of 2006.

"Sixteen per cent of our population is 65 years of age or older," Hulko told the committee. "Yet, in this region we have faced the greatest reduction in residential care beds and it appears that other government services can not be said to demonstrate a clear commitment to dignity, independence, participation, fairness and security."

The numbers also make it clear that locating the Aging and Health Research Centre at Thompson Rivers University is key to disseminating research findings relevant to Interior communities.

"The centre will be able to influence policy and practice and inform the wider community about aging and health issues," Hulko said.

Hulko joined the faculty of the School of Social Work and Human Service at TRU in 2004 and set about establishing the centre with collaborations between Sociology and Nursing, and later Geography and French. While the various schools certainly were addressing aging and health in their curriculums, the centre brought focus and a common purpose to their research, and with SSHRC funding, opportunities for students to work to get critical research experience working with older adults in the community.

Established in the winter of 2005, the centre is supported by a three-year grant from the Social Sciences and Humanities Research Council (SSHRC) Aid to Small Universities. It has held two annual aging symposiums highlighting elder friendly communities and housing options for older people.

Currently, Hulko is working on a number of research projects on dementia with colleagues at the Centre for Research on Personhood in Dementia (CRPD) at UBC.

According to the Canadian Study of Health and Aging, eight per cent of people over the age of 65 have dementia; at 85, this figure rises to 35 per cent. In Latin, dementia means "out of mind," said Hulko. "It causes memory loss, the inability to exercise judgment. Individuals become disoriented, and 65 per cent of dementia consists of Alzheimer's."

Hulko and other researchers at CRPD received a \$100,000 grant from the Alzheimer's Society of Canada, Canadian Nurses Foundation, and the Canadian Institute of Health Research (gender and aging). This research was a two-year funded project, and they are approaching their last year come 2007. For this case study research, Hulko is working with four families in the Kamloops area and nine are participating in the Vancouver area.

The focus is on people with dementia and their families and their experiences with support services. What are the family dynamics and how do they make decisions to access support? Hulko wants to find out if support services are helpful or harmful to "personhood"—something we take for granted until diagnosed with dementia, she said.

There is only one adult day service in Kamloops, at Ponderosa Lodge, but clients need to get an assessment first, and that "could take up to six months", says Hulko.

Hulko also involves social work students in her research. Students with good grades have the opportunity for research scholarships of \$5,000 from the Comprehensive University Enhancement Fund (CUEF). Along with the scholarship, students receive an arts credit.

Seija Emond looked into transportation issues for older adults and people with disabilities. Her survey methods included videotaped interviews and questionnaires, depending on the person's preference.

"As a licensed practical nurse I enjoy working with seniors and as a transit user I wondered how well seniors and the disabled were being served by public transit and the Handi Dart," the fourth-year BSW student said. "Wendy's help regarding ethical approvals, designing the questions and connecting me to networks of people to interview was extremely valuable."

Emond's findings will be shared with Kamloops Transit, Far West Coach, Seniors Outreach Services and People in Motion. These groups will be able to build on strengths and address any service deficits identified by her research.

In all the research that Hulko is involved with, she says the most important aspect is reaching an outcome.

"As a social worker I care about doing research for social change," said Hulko, "and use research findings to advocate for greater attention to aging and health—in the classroom and to government."

## Aging and Health Research Centre Collaborators:

- Donna Daines, *Instructor, Nursing*
- Marilyn Gilbert, *Instructor, Nursing*
- Dr. Kelly-Anne Maddox, *Asst. Professor, English and Modern Languages*
- Nan McBlane, *Instructor, Sociology*
- Jeanette Robertson, *Asst. Professor, Social Work*
- Dr. Tom Waldichuk, *Asst. Professor, Geography*

## RESEARCH MATTERS

Helena Paivinen and the Voice project at the Kamloops Art Gallery  
Photo by Margo Linder

# Giving Voice

— By Margo Linder

Does methadone maintenance really make a difference for persons with addictions? Has it changed their lives? What are the problems that they face?

"There's a lot of information out there," says Helena Paivinen, TRU assistant professor of Nursing, but from her review of thousands of research studies on methadone maintenance programs, only a very few explored the issues from the client perspective. That's her special interest.

Her research is a qualitative study looking at the clients' lived experience and perspective about being on the methadone maintenance program.

"I want the people who are actually taking the methadone to tell ME what it's like," she said.

She's finished the data gathering, and now is in the process of analyzing the data. She looks forward to publishing her work and then presenting her research to the 19th International Conference on the Reduction of Drug Related Harm in 2008.

The theme of "lived experience" from the client's perspective runs through another of Paivinen's related projects. Working with Sherri Bade, also a faculty member of the School of Nursing and other nurses in the community, (a university and community

collaborative they've named Network of Women—N.O.W.), they devised a unique way of helping local people with substance addictions have their voices heard. They had the opportunity to speak at the 17th International Conference on the Reduction of Drug Related Harm held in Vancouver this past May.

"Why should professionals keep talking about this, giving voice to people who aren't there," said Paivinen.

When the nurses realized the high costs of actually bringing the affected women to the conference, the nurses developed a creative plan to bring the women's experiences to the conference through artist expression. The VOICE project was born.

Paivinen says they were fortunate their work was chosen to be presented at the conference. The competition was tough with researchers from 93 countries submitting projects for presentation.

Leading up to the May conference Paivinen worked with women with addictions on a weekly basis helping them express their experiences through art. What they produced became stories, poems, narratives and artwork about living with addictions, harm reduction and recovery.



The women living with addiction artists produced over 50 moving pieces, which were displayed at the Kamloops Art Gallery and at the 2006 International Conference on the Reduction of Drug Related Harm and at the Nursing Satellite 2006 Hear & Now held just prior to the conference.

Did VOICE make a difference to the participating women? Paivinen was told by many of the contributors how proud and empowered the art shows made them feel.

"They do have a voice, they can make a difference, although they're often silenced," she said.

It clearly gave hope to a participant who wrote in the Kamloops Art Gallery guest book: "I have come to see the VOICE show a number of times. Each time is a new experience for me. Today I cried. These really are healing tears."

I am so very honoured to be part of this project. There are some very extraordinary women here today with me. We are so similar yet so very very different. What a wonderful day today has been. I can walk away knowing more about each of these artists. Thank you for today. Today I am clean. Today I cried healing tears. Today I am healthy, happy, and grateful. —Lill"

Paivinen says she feels privileged and honoured to be part of the VOICE process and now will complete her client-centred research study. She hopes both initiatives will increase community awareness and bring to the fore the voices of those who have so often been silenced and disenfranchised in our society.

# Delivering economic benefits through research

— By Margo Linder

Satwinder Paul and Nova Woodbury work as a team with the Thompson Rivers University Advanced Technology Centre (ATC) to deliver economic benefit to the City of Kamloops, industry, and First Nations communities.

They're the experts behind the recently released Intermodal Inland Container Facility Study commissioned by Venture Kamloops, and were the first researchers CEO Jeff Putnam thought of when his group sought a partner for the inland port study.

Having worked with ATC in 2005 on the Industrial Land Survey Report, Putnam said Venture Kamloops approached the ATC for the inland port study knowing, "...we'd get a professional team, offering pretty potent research capabilities.

"Having access to a centre like this in the city is invaluable," Putnam said.

"It's an efficient, simple and easy resource to tap into."

He foresees future research opportunities as well, possibly starting with the impact of the pine beetle in the city.

"They don't just get Nova and I," said Paul. "They get the broad expertise offered at the university and our network outside of the university... everything we come equipped with."

"The university offers a wide variety of unique resources through faculty and students," she added.

People come to the university for an unbiased point of view, according to Paul.

"We don't have any vested interest in one piece of equipment, one parcel of land, mode of transportation over another," said Woodbury. "We look at the whole picture and put it all together with only the client in mind."

"The Advanced Technology Centre is a valuable resource for the whole community as we attract new businesses to Kamloops," Mayor Terry Lake said.

"The city partnered with the ATC to provide support for a proposed inland port. It's one more example of the tremendously mutually beneficial relationship between the university and the city of Kamloops."

The study presented a complete look at the proposed inland port examining whether it is a viable opportunity, what it would involve, and how Kamloops can move forward to become the community of choice for the port.

Paul and Woodbury put themselves in their client's shoes and gave them the information they needed, while being very solution-based. That makes them valuable and leads to tangible benefit for clients.

"Like when Nova goes into a plant," said Paul, "whatever measures she introduces will lead to efficiencies and cost savings for them."

Whether non-technical or technical, they can help industry identify effective solutions to whatever challenges they happen to be facing.

"We've done equipment design and development projects for local industry.

For example, if they need a piece of machinery built, we find people here who can help them, students or staff," said Woodbury.

The ATC has worked on a variety of applied research projects including work for Inland Glass, Kamloops Precision Machinery, and projects involving robotics, fibre optics, industrial land surveys, environment impact of bio-solids, logging, and other community economic development projects.

"B.C. Lottery asked for us to design a bingo table to reduce vibration and heat," said Woodbury.

"Although we can provide some of the expertise, our job is also to know the expertise of the university faculty members and make linkages between them and the community," said Paul.

Woodbury holds a degree in mathematics, with a master's in industrial engineering—mathematical modeling of industrial systems, transportation and manufacturing.

"I'm an industrial specialist," she said.

Paul graduated with her degree in science and a masters in urban and regional planning, specializing in economic development planning.

The mandate of the centre is regional economic development," Paul said, "and we act as a liaison between the university and the community.

"We must be aware of the needs of the community and be able to react to those needs. We do what the client wants, not what we might think they need."

The ATC is an example of the important role of universities in applied community-based research, particularly their importance in small and medium-sized communities.

## RESEARCH MATTERS

# Natural Science Research success —it's about process not species



Mike Epp



When a little animal leaves the place it was born, where does it go, and why?

Posing questions like this led Natural Resource Science students to successfully publish four scholarly papers and submit two other papers to academic journals in collaboration with their professor and research mentor, Dr. Karl Larsen, associate professor—a unique and laudable accomplishment for undergraduate students.

"The goal of any research project is to make discoveries that are published because they advance understanding of the subject and are of interest to other researchers," Larsen said.

Larsen and his students study the dispersal of roly-polys, also known as sow bugs or wood lice, in the lab. Roly-polys are not actually insects. They're Isopods and properly named *Armadillidium vulgare*—and are fine research material, as it turns out.

"Using roly-polys in our new lab model system allows for research that points to further field study," Larsen said.

"Nearly everyone can relate to high school fruit fly experiments. Fruit fly genetics became the basis for human genetic studies."

Honours students who may be taking five or six upper-level courses, maintaining a 3.33 GPA, and sometimes a part-time job, have difficulty finding the time to track wildlife research subjects in the back-country. As with fruit flies, working on roly-polys in the lab gives students an opportunity to collect valuable data necessary for scientific research.

Not endangered or Disney-cute, the silver-grey, multi-legged

creatures are as common as ants in most of North America. Despite the roly-poly's lowly stature, and skepticism that there was any value in setting up a research program focusing on them, Larsen knew this species could provide a valuable model for the dispersal of more complex organisms?"

TRU honour student Mike Epp, from Summerland, BC, has always been the type of person to poke around under logs and rocks to find out what was going on with creatures and was keen to take on a research project of his own.

His summer experience as a research assistant gathering data on small mammals and birds made him well aware of the logistics of doing field research, such as conducting late night and early morning trips to collect data.

He opted for a research project using *Armadillidium vulgare*, building on the dispersal theme, and posed the question: "Do animals change their behaviour based on signs of predators?"

In the lab, Epp feeds roly-polys to leopard frogs. The resulting frog scat is used to test roly-poly behaviour. Another trial involves centipedes, a known sow-bug predator. For this, Epp refined his question further: "Will sow bugs travel through or inhabit areas with strong signs of centipedes, or the presence of frog scat with traces of sow bug?" Epp said.

"Working with roly-polys has proved interesting."

"Although the study is not proving my hypothesis, there is still a strong relationship between dispersal and predators.

"Besides, it's not about proving the hypothesis, it's about testing it, and following the scientific method."

In addition to gaining practical research skills, Epp attended a research innovation conference in Vancouver where he had the opportunity to network with honours students and faculty from other universities.

Epp hopes to be able to submit his findings to an academic journal or present them at a scholarly conference, which will enhance his choices for graduate schools once he has completed his undergraduate degree.

Along with Epp, a directed studies student, one technician, two summer students and two other honours students have also worked in the roly-poly research lab. In addition to co-publishing their results with Larsen, the students increase their opportunities for graduate research grants and entry to graduate school.

A nurturing professor is necessary for this kind of student success, but in order for students to go beyond the classroom and set themselves apart from other undergraduate students, the availability of lab research tools is also a definite advantage.

"If students are unable to publish work using this lab it won't be because we haven't set our sights high enough," said Larsen.

## Focus on Faculty — Karl Larsen

In the decade Karl Larsen's been at TRU he's always been interested in conservation, particularly biology and wildlife management and dispersal of animal populations.

During his 1998 research into the natal dispersal of red squirrels, Larsen became the first TRU researcher to independently receive an operating grant from the Natural Sciences and Engineering Research Council (NSERC). Larsen has been successful in attracting funds from NSERC ever since, and has generated nearly \$1 million in research for his work and in support of honours students at TRU and in conjunction with the graduate students at the University of Victoria.

Although he started out studying dispersal of squirrels, he has expanded to include a wide range of wildlife species including rattlesnakes, badgers, goshawks, flying squirrels, garter snakes and, most recently, roly-polys.



Photo by Sadie Cox

# CiCAC

From the hallway in Old Main building, room 1487 looks like a regular classroom. Inside the Centre for Innovation in Culture and the Arts in Canada, maintains its appearance of a regular classroom, albeit with fewer chairs, tables and white boards. The non-descript room gives little indication of the length and breath of research that will range from here throughout the globe.

The CiCAC's mandate is to promote progressive research in creative practices. Its purpose is to explore and investigate such practices through artistic research and to address complex social and political issues around migration, citizenship, racialization, and sexual identity.

Only established last year, the center gives artists a space for their work, and a chance to do research by affording them time, Ashok Mathur, TRU's Canada Research Chair in Cultural and Artistic Inquiry said.

Physically, the centre will be the site for videoconferences, artistic research, residencies, and production. On campus, faculty, students and the Kamloops community will be exposed to artists from around the world as they explore everything from issues around multiculturalism to questions of global within the local to other progressive movements in the arts. Outside the actual space at the centre the CiCAC will also provide opportunities for literary readings, performances, and installations in other venues.

Since moving into OM 1487, the CiCAC has hosted two readings. Larrissa Lai, a postdoctoral fellow at the University of British Columbia, is Simon Fraser University's writer-in-residence for 2006 and author of *When Fox is a Thousand* (Press Gang, 1995),

read from her most recent novel, *Salt Fish Girl* (Thomas Allen 2002) a work of speculative fiction set in a future Vancouver. The novel was shortlisted for the City of Calgary W.O. Mitchell Book Prize.

Roy Miki, a writer, poet and editor who teaches contemporary literature at SFU read from several recently published and as yet unpublished works of poetry. Besides the documentary history of the Japanese Canadian redress, *Justice in Our Time* (co-authored with Cassandra Kobayashi) (Talonbooks 1991), Miki has written books of essays and poems, most recently, *Redress: Inside the Japanese Canadian Call for Justice* (Raincoast 2005). He won the 2002 Governor General's award for poetry for *Surrender* (Mercury, 2002) and was awarded the Order of Canada in 2006.

Other CiCAC-sponsored events will move outside the physical space of TRU and Kamloops. Mathur and David Bateman, TRU's former Writer in Residence, are currently co-convening a performance symposium, "Performing Identity/Crossing Borders" scheduled for Nicosia, Cyprus, May 3-6, 2007.

"Cyprus has a strong presence in the Canadian consciousness because of years spent there as part of the United Nations," Mathur said. "It's a place that also emphasizes the nature of a state divided and how that effects the bodies that pass by, over and through spaces such as the 'green line' or 'dead zone', the dividing point between competing claims on a nation, its land, and its people."

Nicosia, a city still grappling with imposed borders, will be the site of the performance symposium that will address how bodies pass between identities,



Larrissa Lai, Ashok Mathur, Roy Miki and Nancy von Wagoner

across borders, and how the constraints of gendered, sexualized and racialized imperatives might be interrogated, challenged, or inverted. Participants are asked to address how notions of identity are inscribed or erased as questions of citizenship are reconsidered through the lenses of racialization, class movement, sexual identity, and gendered/ transgendered realities.

Once fully equipped with communications and production hardware and functional furniture for artistic research, the CiCAC will hold its official grand opening (currently planned for early 2007), and the space will then begin to operate, providing opportunities for the centre's mandate.

## > RESEARCH MATTERS

Star cluster NGC 7086



## TRU researcher looks to the stars

— By Matthew Strader

Have you ever looked up at the stars and wondered if there are other solar systems out there? Joanne Rosvick does everyday.

Dr. Joanne Rosvick teaches astronomy and physics in the Department of Physical Sciences at TRU. Knowing there are other solar systems similar to ours, with planets revolving around a single star, Dr. Rosvick wonders if star clusters can also produce planets.

"All the planets which have been detected outside of our solar system are giant gas planets like Jupiter, and are in a single star solar system, like ours. The planets form from the remaining material left after a star is born. Any material that is not used to form the planets is blown away by the star's wind (an outward flow of charged particles)."

One theory proposes that planet formation may be suppressed in dense star clusters because the combined winds from the stars is strong enough to dissipate the leftover material before planets are able to form. "If planets somehow do form, the combined gravitational forces from the stars may prevent the planets from achieving stable orbits around their parent stars." Rosvick said.

"My collaborator and I are trying to figure out if the leftover material [in dense star clusters] will still come together and form planets that will stick around for awhile, like in our own solar system."

Rosvick is engaged in this research with Russell Robb, an astronomer in the department of Physics and Astronomy at the University of Victoria. They recently used the 1.85 m Plaskett telescope at the Dominion Astrophysical Observatory in Victoria to observe several star clusters, which they

believe are the best candidates for hosting planets: young, and well-populated with stars and widely separated from their neighbours (to reduce the effects of winds and gravity).

Rosvick is using a method involving eclipses to spot planets within the cluster.

"The data we have gathered is precise enough that we should be able to detect Jupiter-sized planets, if they exist." To conduct their research, Rosvick and Robb obtain several digital images of the cluster (approximately 100 each night) over several nights. They measure the brightness of every star in the cluster for each image, and plot a graph of the brightness of the star versus time. A light curve such as this is plotted for every star in the cluster, and examined for variations in the light. If the light curve exhibits a decrease in the brightness of the star in a characteristic way, it indicates that

a planet has eclipsed (passed in front of) its parent star.

The current tally of planets existing around solar-type single stars outside of our solar system is over 100. However, evidence of planets around stars in clusters has yet to be found, and Rosvick is sure that it will be a Eureka moment.

Identifying these planets forming around so many stars so close together may also change what is known about star clusters.

"It would show us that the environment in these clusters is not as violent as we thought," said Rosvick.

Rosvick and Robb's findings regarding the star cluster NGC 7086 have been published in the December 2006 issue of *The Astronomical Journal*, and Rosvick will be giving a lecture in March 2007 at TRU on her research.



Joanne Rosvick in the TRU observatory.

# New program will have students writing their own ticket

The national shortage of law enforcement officers rivals the trades' shortage.

The Royal Canadian Mounted Police is looking to recruit a historic number of new members, some 1,800 per year, for the next 10 years, said Const. Al Virkutis, a recruiting officer for the RCMP from the Pacific Region Training Centre in Chilliwack.

According to the sergeant-in-charge of recruiting for the Vancouver Police Department, there'll also be plenty of opportunity over the next few years for strong candidates in the province's largest municipal police force as well.

With the development and implementation of TRU's new Police and Justice Studies Diploma program, police forces will soon be able to recruit personnel with the specific applied skills and education needed by law enforcement officers. The program also provides excellent preparation for employment in corrections, sheriff and other justice-related careers.

Starting this month, applications are being accepted for the first cohort that begins September 2007.

"The program will not replicate police academy training," said Andrew McKay, of the Department of Management Studies. "Our program will prepare students to enter formal police training or other justice-related careers and, therefore, be much more competitive applicants."

The curriculum will offer a broad range of justice related courses as well as courses in sociology, anthropology, English, mathematics, physical conditioning and psychology. It'll also focus on giving students an understanding of what is expected from police entry exams.

"People are having trouble passing the police department entrance exams," said Const. Brian Cassell, another officer with the Pacific Region Training Centre. He also teaches the Legal and Regulatory Influences course for the Public Safety Communications Certificate program at TRU.

"Many people just aren't in the mind set of policing or have little idea of what the police culture and police work is all about."

The initial discussion between Cassell and his department head, McKay, led to further research to determine if there was anything like this program in Canada.

"There's nothing like it in BC," Cassell said. "But there were many programs in police studies in Ontario. In fact, in Ontario people wanting to enter into a police career must take a police sciences type of program."

The TRU program evolved from a police exam preparatory course into a two-year diploma that will also allow students to ladder credits into several other TRU degree programs.



Andrew McKay and Constable Brian Cassell

"Knowing the program will graduate focused, career-minded future police officers, TRU will become a destination of choice for our recruiting," said Sgt. Steve Rai of the Vancouver Police Department.

Rai says the average age of the last class to go through the Vancouver Police Academy was 24, and probationary constables earned \$45,500 as soon as they finished their city police training.

This program will also aid in preparing students who are interested in pursuing a career in other law enforcement fields such as BC Sheriffs and Corrections services.

For more information contact Andrew McKay at 250.828.5120 or by email [mckay@tru.ca](mailto:mckay@tru.ca)

## 5 > TRU PROGRAMS



Human Service Program instructor Natalie Clark (left) and program chair Mary Harber-Iles (centre right) discuss the new Human Service Worker diploma with students Wan Chung and Dan McGowan.

# New diploma a clear path to caring profession

Trace the history of Thompson Rivers University and you'll have the complete pedigree of the new Human Service Diploma to be offered September 2007.

Since its inception, TRU has offered education for community support workers, beginning with the Welfare Aide Program in 1970. This fall will mark another milestone for the School of Social Work and Human Services that has become renowned for its flexibility and practicality.

Responding to the needs of students and industry and to improve laddering, the current one-year certificate in Social Services and the second year of the Child and Youth Care Diploma Program has been combined into the comprehensive Human Service Worker Diploma. The program will be offered at both the Kamloops and Williams Lake campuses.

"The actual transferability of this diploma to our own Bachelor of Social Work or a Bachelor of Child and Youth

Care at other universities will be seamless," Grant Larson Dean School of Social Work and Human Services said.

"The improved version of our program clears the career and education decision path for incoming students," Larson said.

"Our research found that the entry level credentials for working in many sectors of social services have started to shift. Employers are more often seeking employees with at least a two year diploma," said Mary Harber-Iles, chair of the Human Services Program.

And there certainly is growing opportunity for graduates entering the social service and caring professions. At a recent employer panel, Susan Forseille, Student Employment Centre Coordinator, said the entire panel emphasized their challenge of an aging work force—increasing employee attrition through retirement and an aging population to care for.

The two messages Forseille heard loud and clear by the industry were; "Soft skills like attitude and work ethic were crucial to employability, and all of the employers accepted informational interviews and were willing to talk to students about employment opportunities regardless of what stage they were in their education."

Eighty-seven students attended the employer panel and heard presentations from High Country Health Care, Interior Community Services, Ministry of Children and Family Development, Interior Health Authority, Kamloops Society For Community Living, Phoenix Centre and Axis Family Resources Ltd.

For more information about the Human Service Diploma contact Mary Harber-Iles by email at [mharber@tru.ca](mailto:mharber@tru.ca).

# TRU hosts 19th annual JSAC Conference

— By GERALYN BEATON

Japan at our doorstep and in the changing global community was the theme of the 19th annual Japan Studies Association of Canada Conference, and for three days in October it was the reality at Thompson Rivers University.

"The 2006 JSAC conference was a resounding success. We were honoured to have such a large number of presenters come from afar, including more than 30 from Japan," said Joe Dobson, co-organizer of the event.

The group of over a hundred presenters also included scholars from the United States, Malaysia, the U.K and Finland.

Hosting the conference was a yearlong process, and the conference committee included Tom Waldichuk (Geography) who was conference chair, Cara Cadre (English and Modern Languages), and Darlene Kalyinka (Visual and Performing Arts).

Dobson, a lecturer who teaches Japanese language and culture courses in the Department of English and Modern Languages, also noted the "lively discourse and debate" that took place between over 20 masters and doctoral level students in attendance. He also presented a paper titled "Dispatch Law and Education in Japan".

Waldichuk presented a paper on the teaching of the geography of Japan."

"The conference was more than we had hoped for when we took on the challenge of organizing it," Dobson said. "It was wonderful to bring together such a high calibre group of scholars, activists, and policy makers to the same event."

In addition to the presentations covering business, history, political science, sociology and anthropology, a fine arts component was added to this year's conference. Printmaking sessions were held by Vancouver's Malaspina Printmakers, along

with a tri-lateral print exhibition "Re-identification" featuring art from Japan, the Netherlands and Canada at the TRU Art Gallery. An artist talk featured Japanese printmaker Masataka Kuroyanagi.

Capping off the Oct. 12–15 conference was a visit from one of Canada's most senior diplomats, his Excellency Joseph Caron, Ambassador of Canada to Japan. With his presentation entitled "The new Japanese government: New directions and implications for Canada", Ambassador Caron discussed the effect of foreign policy on Canada's ever-changing relationship with Japan.

Although it was a busy conference schedule, participants were able to take in some of the beautiful countryside around Kamloops. Many participants participated in organized field trips to see the Adams River salmon run with the assistance of faculty in the Geography Department, and Tourism's Maynard Kirkpatrick led some of the visitors on a walking tour of downtown Kamloops.

Dobson presented another paper, "The Greying of Japan: Immigration and the Agricultural Sector" at the Canadian Asian Studies Association 2006 conference in Montreal, Nov. 9–12.



Fourth-year theatre students Christopher Fofonoff (Quentin) and Sharron Powell (Maggie) are appearing in *After the Fall*  
Photo by Judith Jordan

## This winter's play is *After the Fall*

The second presentation of the TRU Actor's Workshop 23rd season is the drama *After the Fall* by Arthur Miller.

Miller, best known for his plays *Death of a Salesman* (1949) and *The Crucible* (1953), and for his marriage to Marilyn Monroe, wrote the strongly autobiographical *After the Fall* in 1964. Although Miller always denied it, one of the central characters, Maggie, is clearly modeled on Monroe.

"The play deals with the questions of guilt and innocence, examines failed relationships, false values and broken principles, amid larger political and social failures," said Wesley Eccleston, director. "His personal struggles take centre stage with the dual backdrop of the Holocaust's aftermath and the McCarthy communist witch hunt".

The play is very much set like a trial, reflecting the thoughts and memories of a lawyer named Quentin,

people appear and disappear as witnesses in his mind – surging, fleeting, and instantaneous.

With a cast exceeding 20 and the same number of technicians, Eccleston is excited about the prospect of directing his largest TRU Actor's Workshop production.

"It's a well written piece," Eccleston said. "The play operates on so many different levels, and does what quality plays should do, in that it asks more questions than it answers."

Less than 10 years ago, Eccleston was an undergrad in the same program he now instructs. After earning his B.A. from UBC/UCC in 1997 (major in English and minor in theatre) Eccleston went on to receive his M.A. (Alberta) in dramatic theory and criticism. He has been an instructor with the Department of Visual and Performing Arts since 2000.

### After the Fall

By Arthur Miller  
— Directed by Wesley Eccleston

Showing Jan. 11–13 and Jan. 18–20 in the Actor's Workshop Theatre, all tickets are \$10 and can be purchased in advance at the theatre box office (beside Tim Horton's in OM).

## 6 > TRU PROGRAMS

# Culinary Arts grad off to compete on world culinary stage

### Bocuse d'Or Dinner Menu

Carrot Custard

Tomato and Fennel Salad

Gold Beet Vinaigrette

\*\*\*\*

Halibut Confit

Crab and Goat Cheese Souffle

Creamed Leeks and Mussel Foam

\*\*\*

Champagne-Lavender Sorbet

\*\*\*

Smoked Bacon Wrapped Chicken Breast

Foie Gras Stuffed Brioche

Veal Sweat Breads

Apple, Truffle, Chanterelle Mushroom and Canadian Rye Ragout

Thyme Jus

\*\*\*

Roquefort Crème Brule

Poached Pears, Port Reduction



Diners with discerning palates and a taste for helping out enjoyed a gala five-course dinner and extraordinary culinary showmanship at a fund raising evening to support the Thompson Rivers University Culinary Arts program.

Chef Scott Jaeger and his apprentice Brody White (2004) are members of Team Canada, and will be one of the 24 participating countries at the Bocuse d'Or later this month in Lyon, France.

In October they were at TRU to practice their presentation platters and opened the kitchens for all to view the preparations.

"This was a tremendous opportunity to have this level of culinary skill here in Kamloops," explained Kimberly Johnstone, chair of TRU Culinary Arts. "It was great for the current students to see the work that goes into these competitions and to see Brody, where he is now and for them (the students) to realize he was in their shoes only two years ago."

Fresh Alaskan king crab, halibut and truffles are some of the ingredients all competitors will use during the Bocuse d'Or later this month, and the Kamloops guests saw massive serving platters showcasing picture perfect food prepared by Jaeger and White.

Whistler chef Bernard Casavant, the first West Coast born and trained chef to represent Canada at the 1991 Bocuse d'Or competition was also in attendance at the event along with chef Rob Butters.

Butters, president of the Okanagan Chef's Association said during his pre-dinner address, "This school (TRU) has now sent two of its graduates to compete at

Bocuse, that feat in and of itself speaks to the quality of instructors and the level of professionalism here at TRU."

Corey Rankel was the TRU grad that apprenticed for chef Casavant during a previous competition.

"The whole process of presenting the platters here is rehearsal for the competition," Jaeger, owner of the acclaimed Pear Tree Restaurant in Burnaby said.

"In France we'll be one team out of 24, being watched by 6,000 people in an arena. There will be tremendous cheering, fans with painted faces ... many distractions, we need to be able to work all through that," Jaeger said of the competition he has been in since 2001.

Like many of the students entering the Culinary Arts program, White started as a dishwasher at a local restaurant. "I liked what I saw in other areas of the kitchen, the pressure and the work," he said. "The sky's the limit as a chef, whatever you want to do you can."

Bryce Herman and Doug Ellis's Tourism Management students provided exemplary service for the evening. Jeff Jordan's Level 3 Culinary Arts students pulled out all the stops for the dinner they prepared that reflected the tastes of team Canada's presentation platters as well as evoking the culinary style of Lyon.

Jordan will also be at Lyon. "There are not many cooking schools in the country that have sent two grads to compete at the Bocuse d'Or, it's important TRU is represented at the world level," he said.



Scott Jaeger and Brody White with the live Alaskan king crab used for their Bocuse d'Or presentation platters

TRU will be represented at the upcoming Canada Winter Games in Whitehorse, Yukon, Feb. 24 through Mar. 10. The Culinary Arts program has been selected to send a team of ten students and two faculty members, all expenses paid, to Whitehorse as part of the team preparing meals for the hundreds of competitors.

# Razzle dazzler spreads the word

You might be amused; you might be shocked; but once you've met him you will never forget him because he's wearing a sequined vest, sporting a black fedora and sunglasses. This flamboyant charmer is Alumni Guy and he's scored a hit.

Alumni Guy, a.k.a. theatre student, Devon McBride, has been a fixture on campus this fall making appearances at events and places where students gather. He surprises students by handing them a five dollar bill just for answering his questions correctly. The money winning questions and correct answers were published weekly in the Omega newspaper.

While a lot of fun, the campaign was part of the TRU Alumni Association's Backpack to Briefcase Program, introducing students to the Alumni Association and the many services the association offers students and graduates.

During the course of the fall campaign over 140 students earned a cash reward for knowing a something about the TRU Alumni Association.

Alumni Guy also handed out T-shirts and complimentary games passes donated by the Athletics Department as well as discount coupons for lunch compliments of the Culinary Arts Department.

The Alumni Association estimates nearly 1,000 students received money or prizes from the Alumni during the three-month campaign, making this a very successful first time initiative. When he wasn't handing out money or prizes Alumni Guy attended a number of events on campus including a concert, the Halloween Party, sporting events and the Respiratory Tech students' Kick-the-Nic program.

Alumni Guy will continue to make appearances on campus during the winter semester. If you are interested in having him appear at your event contact the Alumni Association at 250.828.5498 or alumni@tru.ca



## 7 > STUDY ABROAD + ALUMNI

### Around the globe with TRU World

#### ASIA

TRU World Associate Vice-President Cyndi McLeod announced in October that the university has won a significant training contract for the 2008 Summer Olympics in Beijing.

The project will send a team of instructional and project staff from Kamloops to Beijing to provide specialized training for 100 site managers from the China Network Communications Corporation, the largest Chinese network covering the 2008 Summer Games.

#### EUROPE

During the week of Oct. 23, TRU World hosted Nikos Skoulas, President and Dr. James Moran, Academic Dean of TRINITY International School of Tourism Management in Crete, Greece. During their visit, TRU and TRINITY signed an Articulation Agreement to facilitate student exchange credits, faculty exchange, and study abroad.

#### CENTRAL AMERICA

Third-year Bachelor of Business Administration student Kristi Denby, (*below*) was selected by TRU World to participate in monitoring the Nov. 5 election process in Nicaragua at the invitation of the Organization of American States (OAS), which requested a Spanish-speaking student to participate in the project.



Kristi Denby stands in front of a polling station in Chi Chi Galpa, Nicaragua. The third-year international business student spent a week in the Central American country observing the national elections with Organization of American States.

### Nursing in Paradise

Kelly Chalmers with the baby girl she delivered only moments before, one of five births she was able to assist with in Samoa.

resources and supplies. We traveled the island to reach the smallest communities, isolated from health care services and experienced the true culture of Samoa.

As Canadians we are blessed to live within a multicultural and diverse population and as nurses we are taught to embrace these differences and ensure our care is sensitive to all customs. These lessons proved invaluable as we faced the unknown and learned to adapt to a new and very different lifestyle so unlike the "Western" view we are accustomed to. We encountered a different concept of time and family involvement, and although we often faced a barrier in communication as English is a second language, we also benefited because many people spoke exceptional English, including the nurses. Throughout our time in Samoa, we saw how dedicated and hard working the people are. We also witnessed the pride they share in accomplishments and beauty of their country and culture.

For the eight students who participated in this unique and exciting opportunity, it was an experience that will not be forgotten. We established relationships with the Samoan nurses and university students and created everlasting ones amongst ourselves. We gained valuable lessons that will forever affect our lives; both nursing and personal. We will never forget the people we encountered, the beauty of the tropical landscape or the cultural characteristics so unique to the remarkable and beautiful islands of Samoa.



— By Jaime Gallaher and Sarah Law, Fourth year BScN  
Eight third-year nursing students, along with one instructor from TRU spent six weeks on an island paradise learning about nursing in another culture.

Samoa, an alluring tropical country, mostly unknown to North Americans, is located in the South Pacific Ocean. The nation consists of nine islands, with the majority of its 175,000 people living on only two.

Considered a developing nation and receives emergency funds from various sources. Unlike other developing countries Samoa does not face the devastating effects of diseases such as HIV/AIDS, instead, their greatest health concern is diabetes and the resulting health complications such as renal failure and vascular deficiencies. The students witnessed the effects of the disease and encountered many other illnesses not necessarily common in Canada including typhoid fever, meningitis, and tuberculosis during their course International Nursing Practicum (NURS 339-4).

We were the second group of TRU nursing students to visit Samoa and were welcomed and received hospitably by the Samoan people. We practiced nursing care in a variety of settings from maternity and pediatrics wards to mental health facilities and home care. We delivered babies (a common skill for the local nurses), cared for sick children, cleansed infected wounds and did so with exceptionally few



Tom Rankin of 1-800-GOT-JUNK hands over another load of gardening hand tools to TRU's Practical Horticulture Program. Instructor Kevin Scollon (centre) will pass along the excess tools to students such as Amber Powell who plans to start her own landscape maintenance company when she graduates in April. Rankin has also donated items to TRU's Mechanical Trades Programs.

# Tracking the 'Pack

One of the great stories of the WolfPack's Fall '06 season is the success of the women's soccer team, which won silver medals at both the provincial and national CCAA soccer championships.

Ironically, the team was bested both times by the Langara Falcons, which won 2-1 in overtime to take provincial gold, and then went 3-1 in the nationals to win the gold again. TRU's Stacy Bekkering, Kelsi Butner and Shantelle Cooper were named to the provincial all-star team, while Kelsi Butner, Danielle Wallis and Shannon Meyer, who was also named national tournament top goal-keeper, were named to the national all-star team.

Some wins were also in the works for the CIS teams this fall.

At the end of November the women's volleyball team stood at 3-3 and is ranked 5th in service aces in the Canada West conference with a 1.39 average per game after winning matches versus the SFU Clan, the Saskatchewan Huskies and the Brandon Bobcats.

TRU men's volleyball team stands at 4-4 after sweeping the Brandon Bobcats at home, and the team is ranked 4th in service aces in the Canada West conference with a 1.29 game average and 4th in digs with a 7.3 game average. Fourth-year libero Graham Allard, a geography student from Prince George, is currently ranked 5th in digs in the Canada West with a 1.73 average per game.

After losing some very close games this fall, the women's basketball team pulled off a win against the Trinity Western Spartans, and are now standing at 1-7 in the Canada West Conference. Third-year guard Kelley O'Grady, at TRU from Gabriola Island to study journalism, is now ranked fifth in scoring in the Canada West conference with 16.4 average points per game and ranked second in 3-point field goals made with a per-game average of 2.5.

Despite the fact that the men's basketball team remains winless at 0-8, the team is ranked 3rd in the Canada West conference for scoring, at an average 81.2 points per game, 3rd in 3-point field goal percentages at .400, 3rd in 3-point field goals made, at 6.60, 5th in free-throw percentages at .688 and 5th in field-goal percentages at .474. Second-year guard Charlie Spurr of Victoria, studying arts at TRU, is currently ranked third in scoring in the Canada West at 21.1 average points per game while third-year guard Braeden Jones, a business administration student from Steveston, is ranked second in field goal percentages at .630.

This fall, Nick Hamilton, in his last year of studies in the Natural Resource Science program at TRU, travelled with TRU respiratory therapy faculty member and rowing coach Janine Chan to Ontario to compete alongside the major university rowing athletes in Canada at the Canadian University Championship Regatta held in St. Catharines Nov. 1. He placed 4th in his B finals time trials and eighth in the men's singles time trials, rowing the 2000-metre buoyed course in 7.19.55, his personal best time this season.

It was Thompson Rivers University's inaugural appearance at the rowing championships which saw 22 universities represented competing on the official Canadian Henley 2000 metre rowing course, where Hamilton competed alongside university rowers from UVic, UBC, SFU and UCFV, and various major universities across Canada, including Saskatchewan, Queens, Trent, McGill, McMaster, Brock, Western, Guelph, Carlton, Ottawa and Dalhousie.

The winter/07 season promises some exciting competition closer to home, as our men's and women's volleyball and basketball teams host another 20 home games, and our badminton team gears up to host a tournament Feb. 10 and 11th in the gym.



# WOLF PACK

THOMPSON RIVERS UNIVERSITY

## Coming Up: Home Schedule

(all games in TRU gym):

### January 2007

Friday 5th  
Saturday 6th  
Friday 12th  
Saturday 13th  
Friday 19th  
Saturday 20th  
Friday 26th  
Saturday 27th

Basketball vs Regina (W) 6pm (M) 8pm  
Basketball vs Brandon (W) 6pm (M) 8pm  
Basketball vs SFU (W) 6pm (M) 8pm  
Basketball vs Trinity Western (W) 6pm (M) 8pm  
Volleyball vs UBC (W) 6pm (M) 7:45pm  
Volleyball vs UBC (W) 6pm (M) 7:45pm  
Basketball vs Lethbridge (W) 6pm (M) 8pm  
Basketball vs Calgary (W) 6pm (M) 8pm

### February 2007

Friday 2nd  
Saturday 3rd  
Saturday 10th  
Sunday 11th

Volleyball vs Alberta (W) 6pm (M) 7:45pm  
Volleyball vs Alberta (W) 6pm (M) 7:45pm  
Badminton (W&M) tourney  
Badminton (W&M) tourney



## The 2006/07 CIS season as of Dec. 11/06

### Women's Basketball (1-11):

Oct 28 TRU 61 vs UCFV 78 (L)  
Oct 29 TRU 61 vs UCFV 64 (L)  
Nov 3 TRU 49 at Alberta 98 (L)  
Nov 4 TRU 47 at USask 97 (L)  
Nov 11 TRU 62 vs UVic 73 (L)  
Nov 12 TRU 46 vs UVic 59 (L)  
Nov 17 TRU 80 at TWU 70 (W)  
Nov 18 TRU 62 at TWU 66 (L)  
Nov 24 TRU 51 vs UBC 87 (L)  
Nov 25 TRU 45 vs UBC 85 (L)  
Dec 1 TRU 59 at SFU 101 (L)  
Dec 2 TRU 61 at SFU 97 (L)

### Men's Basketball (0-12):

Oct 28 TRU 74 vs UCFV 81 (L)  
Oct 29 TRU 82 vs UCFV 85 (L)  
Nov 3 TRU 76 at Alberta 84 (L)  
Nov 4 TRU 70 at USask 90 (L)  
Nov 11 TRU 65 vs UVic 96 (L)  
Nov 12 TRU 82 vs UVic 97 (L)  
Nov 17 TRU 95 at TWU 108 (L)  
Nov 18 TRU 92 at TWU 97 (L)  
Nov 24 TRU 73 vs UBC 85 (L)  
Nov 25 TRU 60 vs UBC 97 (L)  
Dec 1 TRU 69 at SFU 79 (L)  
Dec 2 TRU 67 at SFU 84 (L)

### Women's Volleyball (3-7):

Nov 3 TRU 1 vs USask 3 (L) (23-25; 23-25; 25-21; 22-25)  
Nov 4 TRU 3 vs USask 1 (W) (26-24; 18-25; 25-22; 25-18)  
Nov 11 TRU 2 at SFU 3 (L) (15-25; 25-21; 25-23; 22-25; 14-16)  
Nov 12 TRU 3 at SFU 1 (W) (25-12, 25-18, 16-25, 25-18)  
Nov 17 TRU 3 vs Brandon 1 (W) (25-20; 25-12; 23-25; 25-14)  
Nov 18 TRU 1 vs Brandon 3 (L) (23-25; 25-20; 15-25; 20-25)  
Nov 24 TRU 0 vs TWU 3 (L) (25-23; 25-11; 25-19)  
Nov 25 TRU 0 vs TWU 3 (L) (28-26; 25-15; 25-19)  
Dec 1 TRU 1 vs Regina 3 (L) (14-25; 18-25; 25-16; 12-25)  
Dec 2 TRU 0 vs Regina 3 (L) (18-25; 17-25; 19-25)

### Men's Volleyball (4-4)

Nov 3 TRU 0 vs USask 3 (L) (22-25; 15-25; 23-25)  
Nov 4 TRU 0 vs USask 3 (L) (20-25; 30-32; 21-25)  
Nov 11 TRU 1 at TWU 3 (L) (25-16; 25-20; 19-25; 25-19)  
Nov 12 TRU 0 at TWU 3 (L) (25-22; 25-16; 25-20)  
Nov 17 TRU 3 vs Brandon 0 (W) (25-22; 25-19; 25-23)  
Nov 18 TRU 3 vs Brandon 2 (W) (22-25; 25-16; 19-25; 25-23; 17-15)  
Nov 25 TRU 3 at Regina 0 (W) (25-21; 25-19; 25-15)  
Nov 26 TRU 3 at Regina 2 (W) (23-25; 25-23; 19-25; 25-15; 15-12)

8 > ATHLETICS



TRU's Academic All-Canadians in Baseball: Tanner Brotzel, Darryl Hemmett, Trorrie Watters. Women's Basketball: Kali Ellis, Caitlin Kettlewell, Sarah Darley, Alix Stupich, Women's Volleyball: Laura Plouffe, and Men's Soccer: Mark Dodsworth, Brad Clark were honoured this fall by President and Vice Chancellor Dr. Roger Barnsley, Dr. Mark Evered, VP Academic, Director of Athletics Ken Olynyk, and AVP Finance Cliff Neufeld.

**Family Relations 101** — It's business and psych courses for this TRU family. Sue Vickers (*right*) is taking Comp 113, while son Sean Garvey is in his third year of a BBA and daughter Samantha Garvey is in year three of her BA majoring in Psychology. Sue first came to campus in 1975 for university transfer and helped bring home the first women's provincial championship banner to hang from the rafters at the gym. Sean has been a key player for the WolfPack but for now continues the basketball legacy as assistant coach of the WolfPack men's basketball team.

