BY DALE BARBOUR
The Bulletin

Paul Rusesabagina faced an impossible task when he delivered his lecture, Hotel Rwanda: A lesson yet to be learned, to 1,300 people at University Centre on Jan. 9.

Rusesabagina is the real life person behind the movie Hotel Rwanda. When his country exploded in ethnic violence in 1994, he helped protect some 1,500 people in the Michelin Hotel during the worst of the violence.

His task when he came to the University of Manitoba was to tell people what he went through — to tell people what it was like to be trapped in a hotel as nearly one million people were slaughtered throughout his country.

“Whatever happened in 1994 I can never summarize through talking,” Rusesabagina said. “But we will try to be brief and do something.”

Conflict in Rwanda was well established before 1994. It had its roots in colonialism with European colonizers playing one group off against another. When the Europeans left, the people that had supported them were kicked out of the country, driven into refugee camps.

It set a trend that haunted Rwanda throughout Rusesabagina’s youth, with periods of violence and people jockeying for power.

See RUSESABAGINA/P 2

From left, University of Manitoba president Emöke Szathmary, Maryanne Thorkelson, Kristjan Thorkelson and Pharmacy dean David Collins with an illustration of what the new pharmacy building’s undergraduate laboratory will look like.

Thorkelson says “thank you”
Graduate donates $500,000 to new pharmacy building

The undergraduate laboratory in the new Faculty of Pharmacy building under development at the Bannatyne campus will be named after a graduate of the pharmacy program.

The lab will be named the Thorkelson Undergraduate Laboratory following a gift from Kristjan Thorkelson, who graduated from the Faculty of Pharmacy in 1991.

Thorkelson, a prominent local pharmacist, has donated $500,000 to his alma mater in appreciation for the education that facilitated his current success.

“I didn’t have much money when I was a student, and even had to ask for assistance in paying for my Pharmacy Examining Board of Canada (PEBC) exam,” Thorkelson said at the announcement on Friday, Jan. 20.

“Yet I always remembered that and I want to give something back to the faculty that helped put me where I am today.”

Thorkelson’s family has had a close association with the university for many years. His wife Maryanne is a graduate of the university, completing a bachelor of human ecology in 1991 and a bachelor of education in 1993.

Thorkelson’s father also received his degree in agriculture from the University of Manitoba, returning to his studies as a mature student at the age of 35. He was influential in promoting the importance of post-secondary education in his family, all of whom completed their studies at the University of Manitoba.

Thorkelson is a strong supporter of pharmacy in Manitoba and currently serves on the Council of the Manitoba Pharmaceutical Association. He is also a prominent member of Manitoba’s business community in his role as chairman/CEO of CanadaDrugs.

See STELLAR/P 2

Cosmic slinky spotted

Using the National Science Foundation’s Green Bank Telescope (GBT), operated by the National Radio Astronomy Observatory in the United States, astronomers have confirmed the existence of a coiled magnetic field around a gas cloud in the constellation Orion.

Internationaly renowned observational astronomer Carl Heiles and his graduate student Timothy Robishaw completed some extremely challenging observations of a dense, filamentary star-forming molecular cloud that confirm a theory proposed by University of Manitoba astrophysicist Jason Fiege.

These observations represent the first solid observational confirmation of a theory that I developed with Ralph Pudritz at McMaster University,” says Fiege.

“Our somewhat controversial theory proposes a novel helical magnetic field geometry — a kind of a cosmic slinky — which has profound effects on the structure and stability of star-forming filamentary clouds.”

Fiege explains that magnetic field lines in the Orion Molecular Cloud are like stretched rubber bands wrapped around the cloud and squeezing it into a dense filament.

See STELLAR/P 2

Inside stories

3 A good hotdog oven is all about design
5 Meet the University of Manitoba’s new faculty members
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8 Artist collective 26 takes its work indoors
12 Sandham remains a blend of country and urban life
Rusesabagina calls on Canadians to get involved

From Page 1.

Still in the early 1990s, the UN had established a peace truce between the dominant ethnic groups, the Hutus and the Tutsis. Rusesabagina, whose father was Hutu and mother was Tutsi, said there was cause for hope. People that had fled the cities for the safety of the country returned to their homes.

But there were rumours that hit lists were circulating around the country and in the spring of 1994, something was in the air.

“We could see that something was going to happen. But one million people killed in 100 days? No would have thought that,” Rusesabagina said.

But after Rwandan president Juvenal Habyarimana’s plane was shot down above Kigali airport on April 6, the violence began in earnest.

The details of Rusesabagina’s experience are provided in the movie Hotel Rwanda, although everything was simplified – a discussion with a soldier that took a moment in the movie stretched on for hours in real life. And the movie couldn’t begin in earnest.

“All along the road the whole city was smelling of death. I couldn’t see any human life. I could only hear dogs barking over the dead bodies,” Rusesabagina said.

During the question period, people asked Rusesabagina what kept him going during the darkest periods of the experience.

“What do I believe in?” Rusesabagina said. “I believe that I will die, that’s the only thing that I am sure of. But before that day comes I will never cross my arms and wait for it. I will always try to do something until death takes me away. I remained myself. I remained a hotel manager from beginning to end. I remained who I was.”

On July 15, Rusesabagina returned to the hotel and re-opened it. He stayed in Kigali another two years before fleeing to Belgium in 1996.

“I remember the 1980s when people went down to the streets fighting against apartheid in South Africa, and it’s gone now,” Rusesabagina said. “People need to help Africans to help themselves.”

Gaëlle Aspert, a staunch backer of the Canadian Human Rights Museum in Winnipeg, introduced Rusesabagina and called on people to lend their support to the museum and the focus it will put on events such as the ones that happened in Rwanda.

Paul Rusesabagina told the story of his real-life experience in Hotel Rwanda to a crowd of 1,500 at the University of Manitoba on Jan. 9.

Hotel Rwanda Rusesabagina Foundation which provides support, care, and assistance to children orphaned by, and women abused during, the genocide in Rwanda.

“Between 1996 to now there have been 4 million civilians butchered in the Eastern Congo while the whole world stood by watching,” Rusesabagina said. “Nobody seems to be caring. What you see in Hotel Rwanda is an everyday occurrence in Africa.”

“So what can people do? They say ‘what can Rusesabagina have his own foundation, The

From Page 1.

Astronomers had long hoped to find specific cases in which magnetic forces directly influence the shape and density structure of interstellar clouds, but telescopes have been unable to achieve this until now.

“It has taken more than five years to confirm the theory because the observations are so difficult,” he adds. Such molecular clouds are thought to be the birthplace of stars, and are influenced by the forces of gravity and magnetic fields. Previous theoretical models of these clouds have treated them as spheres, but a theory published in 2000 by Fiege and Pudritz suggested that molecular clouds should exhibit a helical magnetic field around the long axis of the cloud and be filament-like. This is the first observational confirmation of this theory: measuring magnetic fields in space is difficult because their signal is very weak and difficult to disentangle from instrumental effects.

Starform clouds show magnetic forces at work

To encourage the development of research, the University offers a number of research support programs. These programs are administered by Research Services & Programs, on behalf of the University. For further information on these programs (i.e., program priorities and guidelines, application procedures, etc.), contact the appropriate person listed below, or access the forms via the Web at http://www.umanitoba.ca/research/ors/internal/

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<th>NAME OF PROGRAM</th>
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<td>To support the growth of research at the University – highest priority is the provision of grants to new faculty members (those in the first 3 years of their appointment)</td>
<td>October 15 (New Staff) March 1 (Established Staff)</td>
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<td>UM/SSHRC Research Grants Program (UM/SSHRC RGP)</td>
<td>To provide support for small-scale research projects in the social sciences and humanities – open to researchers in disciplines supported by SSHRC</td>
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<td>The Dr. Paul H.T. Thatcher Foundation Fund</td>
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<td>SAMUEL WIEBER DISTINGUISHED VISITOR AWARD</td>
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Call for news releases editor@umanitoba.ca or call 204-474-8111
Hotdog cookers show the power of solar energy

BY BRIAN CAMPBELL
For The Bulletin

The University of Manitoba marked the 10th anniversary of its annual solar cooker event Jan. 10 with the grounds of the architecture buildings covered with first-year environmental design students and their homemade cooking devices.

Their job, in groups of approximately five each, was to cook five hotdogs, boil a litre of hot chocolate and heat five buns using only the sun and cookers made with low-cost/no-cost, low-weight portable designs.

“So are you doing it?” According to student Kris Roe: “You have to know about the forces of nature – how the sun warms the earth – to learn about how to keep a house warm.”

Fellow student Daniel Neves added, “There’s so much energy in nature and we don’t make full use of it.”

Their professor, Leon Feduniw, came up with the project as part of the course to help give the students an understanding of regional environmental issues.

“The project is a vehicle to study the sun paths and how to make the best use of solar energy in the design of buildings,” he said.

“We are grateful to Variety for the good oral hygiene of our children is an important part of the health of Winnipeg’s youngest children,” said Dr. Wayne Rogers, director, Faculty of Dentistry. “Variety, the Children’s Charity, is a very popular program that provides dental care to some of Winnipeg’s poorest children.”

Students Kristin Szyminsky, left, and Jennifer Collerone harnessing the power of the sun with their solar cooker.

This year’s students in some ways have it easier than students in the past because of the unusually balmy temperatures Winnipeg has enjoyed in recent weeks. Feduniw said this year is the warmest it’s been since he first started holding the annual solar cooker event.

However, the warm weather only makes it more comfortable for the students standing outside. In theory, warmer air should have little effect on the cooking. Last year a team set a record cooking at 20 degrees Celsius with an outside temperature of –20, and Feduniw says that the project has been very successful even at –25.

“It’s because of Winnipeg’s traditionally frigid January temperatures that the project is conducted now,” student Linda Everett pointed out, “if you can make it work here, you can make it work anywhere.”

But whether the cookers work or not isn’t the purpose of the project. According to student Stephanie Ouellette: “It’s good if it works, but it’s the research that matters. You’ve got to be able to figure out why it did or didn’t work, and that’s what makes it better.”

“Doesn’t matter if the design is a dismal failure,” Feduniw added. “In two weeks we have to submit a research report on their solar cooker and what they’ve learned from it, the energy of the sun, and the materials used under those conditions.”

Books headed to Afghanistan

BY RENÉE BARCLAY
For The Bulletin

A student project to restock and rebuild libraries in war-ravaged regions is about to take flight.

From now until March, medicine, dentistry and nursing students are collecting used textbooks to send via the Canadian Forces to universities in Kabul, Kandahar and Herat, Afghanistan. University of Manitoba medical students launched the project in 2005 and have since expanded the mission.

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Dental program gets boost from Variety, Children’s Charity

BY RENÉE BARCLAY
For The Bulletin

A new partnership between the University of Manitoba, Faculty of Dentistry and Variety, the Children’s Charity of Manitoba, will boost a program that provides free dental care to some of Winnipeg’s poorest children.

Variety, the Children’s Charity of Manitoba, has committed to donating $100,000 over three years to the Children’s Dental Outreach Program, effective Dec. 1, 2005. The partnership was announced Jan. 18, 2006.

“Children’s dental health can seriously distract them in school,” says Charles Lekic, head of pediatric dentistry. “We are very grateful to Variety for its generous contribution to our program.”

Variety, the Children’s Charity, is a world-wide charity that raises money to help meet the special needs of disabled and disadvantaged children. In Manitoba, it has raised more than $19 million, enabling children to participate more fully in life’s activities.

“The new contribution from Variety is a vehicle to study the sun paths and how to make the best use of solar energy in the design of buildings,” he said.

“We are excited about this project and the students are energized to help,” says Marilyn Seguire, an instructor with the Faculty of Nursing. “The Faculty of Dentistry hopes to collect at least 200 books to help rebuild the out-of-date dental library at the Kabul Medical University.”

“The National Dental Examining Board recommends 65 textbooks to test you on, and we want to get at least those 65, but our goal is 200 textbooks,” says Gurinder Kler, coordinator.

“They are using professors, academics, and those in their profession to search their offices, practices and home libraries for gently used textbooks that are no more than 10 years old.”

On the Bannatyne Campus, drop off bins are available in the Neil John Maclean Building and the Faculty of Dentistry’s dean’s office and the Restorative Dentistry office for dentistry books.

The Faculty of Nursing is the drop-off location at the Fort Garry Campus for nursing-related books. For more information, contact Gurinder Kler at umkergg@cc.umanitoba.ca.

Two of the students in the Faculty of Dentistry’s dean’s office and the Restorative Dentistry office for dentistry books.

“On behalf of the Variety board, I’d like to express how pleased we are to be associated with such a worthwhile and internationally recognized program as the one created by the Faculty of Dentistry here in Manitoba. Ensuring the good oral hygiene of our children is essential to their long-term well-being,” says Bryan Crowley, president.

“Variety is delighted to enter into this partnership with the Faculty of Dentistry, and is especially grateful to Adesa Winnipeg for signing on as a founding partner,” says Variety executive director Wayne Rogers.

“This partnership with Variety, the Children’s Charity of Manitoba will continue to augment the services we provide to children who desperately need dental care,” says Johann de Vries, dean of the Faculty of Dentistry.

“We are delighted to be working with Variety, and we are proud to have their name associated with our program.”

University of Manitoba Affiliation Lecture

Spirituality at Work

We are called, by our faith, to be healers in the work place. In his lecture, Fr. Olivo, SJ, will consider various ways to integrate faith and work in our own lives, and our vocation. He will discuss the role of our profession in the context of our occupation and our vocation, by means of story, theory, and interactive questions. Fr. Olivo will share insights he has gained from the spirituality of work ministry he does in the Cologne, Germany community.

Fr. Olivo is a Jesuit priest from California who now resides in Cologne, Germany. He is a vocational director, experienced spiritual advisor and ethics consultant, and an accomplished author. In Germany, the area of Christian Spirituality. In addition to a Master’s Degree in Theology, he also has his "Clericus Degree in Mysticism" and a M.A. in Organizational Behaviour.

University of Manitoba

7th International University Affiliation Lecture

Monday, January 23, 2006
7:00 pm

Fort Garry Campus (Room 255)
St. John’s College, 542 Fort Road

Presented by St. Paul’s College
All are welcome | Info administrator & parking
For further information: 613-2422

MCX OLIVO, S.J., SJMA
Spiritual Advisor
Ethics Consultant

BULLETIN 3
January 26, 2006

Lundgren is male athlete of the week, Scott competes in Mexico

Bison Sports

SCOTT AT QUALIFYING COMPETITION

Manitoba Bison soccer player Desiree Scott is part of the Canadian Under-20 Women’s National Team competing in the CONCACAF (The Confederation of North, Central American and Caribbean Association Football) qualification games. The games kicked off Jan 18 and run until Jan. 27 in Veracruz and Córdoba, Mexico.

Scott took part in an 11-day training camp in late December in Florida that was used to evaluate and select the team. Scott was excited to hear the news, “It was a long and hard training camp with very good practices. The twice-a-days helped to prepare the team for the qualifying games and I am looking forward to the playing in Mexico.” The qualification games will select three teams, which will represent the region at the 2006 FIFA Under-20 women’s world championships in Russia during August.

The Winnipeg native played in the Bisons inaugural Canada West season in 2005 and was named as Canada West Rookie of the Year and Second Team All-Star in the striker position. Manitoba soccer player Erin McNulty was also named to the squad.


The University of Manitoba congratulates recipients of the Manitoba Graduate Scholarship for 2005-06

The scholarships were established by the Province of Manitoba in 2004 as part of a $2 million commitment to graduate students in Manitoba. Graduate students at the master’s level are eligible for awards of $15,000 per year for two years. Doctoral students are eligible for $7,500 per year for four years.

New Recipients

Molita Addisoe Delicate, Science, Master’s
Muthukumaranan Bagavathanan, Plant Science, Master’s
Richard Beinert, Religion, PhD
Lisa Bennigsen, Landscape Architecture, Master’s
Evelyn Bonny, Natural Resources Institute, Master’s
Catherine Card, Microbiology, Master’s
Amir Chhabra, Computer Science, PhD
Andrea Dyck, History, Master’s
Evelyn Froehlich, Agricultural Economics, Master’s
Joan Garbutt, English, Master’s
Michael Gauthier, Computer Science, Master’s
Laila Geary, Chemistry, Master’s
Karen Heaven, Entomology, Master’s
Kevin Heigts, Zoology, PhD
Andreea Hermann, Plant Science, Master’s
Valerie Hobert-Friesen, Sociology, Master’s
Daryl Hurle, Physical Education and Recreation Studies, Master’s
Karawita Karawita, Electrical and Computer Engineering, PhD
Mia Kito, Psychology, PhD
Kristina Koeing, Civil Engineering, Master’s
Marcus Kotelchuckova, Mathematics, Master’s
Lauren Lebow, Psychology, Master’s

Continuing Recipients

Norah Bowman-Brewer, English, Master’s
Jim Brash, Psychology, PhD
Aupur Dib, Natural Resources Institute, PhD
Charllot Djupakes, Physiology, PhD
Jeanette Gould, Computer Science, PhD
Lisa Jasper, Physical Therapy, Master’s
Michelle Ledewyks, Sociology, Master’s
Haimin Liu, Statistics, Master’s
Adam Machynia, Electrical and Computer Engineering, PhD
Christopher Mead, English, Master’s
Kathryn Massom, Anthropology, Master’s
Andrea Nister, Pathology, Master’s
Nadine Nowalski, Sociology, PhD
Sonoto Onokokw, Electrical and Computer Engineering, Master’s
Jina Pagura, Psychology, Master’s
Alexandra Pinto, Food Science, Master’s
Lance Robinson, Natural Resources Institute, PhD
Nathalie Rogers, Interior Design, Master’s
Dana Ruhlen, Pharmacy, Master’s
Candace Schetter, Educational Administration Foundations and Psychology, Master’s
Tiffany Scott, Psychology, PhD
Silvi Sidhu, Food Science, Master’s
Robert Stupnisky, Psychology, PhD
Ryan Szypkowski, Zoology, Master’s
Andrew Towns, English, Master’s
Jillian Van Walleghem, Zoology, Master’s
Vladimir Vlasic, Philosophy, Master’s
Krista Weikins, Nursing, PhD
Krisly Wittmeier, Medical Rehabilitation, PhD

ONE UNIVERSITY. MANY FUTURES.
WELCOME NEW FACULTY MEMBERS

The University of Manitoba has always focused on the twin goals of teaching and research. With those goals in mind, The Bulletin is proud to welcome the university’s new faculty members. As a new feature The Bulletin will be profiling new professors, looking at where they’ve come from and where their teaching and research projects will take the university in the future.

BEHZAD KORDI
Assistant Professor
Department of Computer Engineering
Faculty of Science

B e h z a d  r e c e i v e d  h i s  B S c  ( w i t h  d i s t i n c t i o n ), M S c , and PhD degrees, all in electrical engineering, from Amirkabir University of Technology (T e h r a n Polytechnic), Tehran, Iran, in 1992, 1995 and 2000, respectively. During 1998 and 1999, he was with the Lighting Studies Group at the University of Toronto, where he was awarded a Graduate Research Grant by the electrical and computer engineering department of the University of Toronto. In 2002, he joined the electrical and computer engineering department of the University of Manitoba as a postdoctoral fellow and has moved on to become an assistant professor. His research interests concern computational electromagnetics, electromagnetic compatibility (EMC), time-domain simulation of interconnects and transmission lines, and electromagnetic probes.

ÖRJAN SANDRED
Associate Professor in Composition
Faculty of Music

Ö r j a n  m o v e d  t o  W i n n i p e g  f r o m  S t o c k h o l m , Sweden, where h e  t a u g h t  c o m p o s i t i o n  a n d  e l e c t r o - a c o u s t i c  m u s i c  a t  t h e  R o y a l  C o l l e g e  o f M u s i c  s i n c e  1 9 9 8 . He has been a guest lecturer in many European countries, including France (IRCAM and Conservatoire National Superieur de Musique in Paris), in Vienna (Universität für Musik und darstellende Kunst Wien) and in Hungary (the Bartok Seminar in Szombathely). He studied composition at the Royal College of Music in Stockholm, at McGill University in Montreal, and at IRCAM in Paris. He has composed music for different types of ensembles, everything from symphony orchestra to chamber music and electro-acoustic music. His music has been performed and broadcast on radio and TV in and outside Sweden.

Many of his pieces are the results of his search for new methods of composition. In 1999 he worked as a composer on research in the musical representation team at IRCAM, where he implemented his ideas on methods for working with hierarchical rhythms within metrical systems into a computer system.

He is a member of the international musical research group PRISMA (Pedagogia e Ricerca Internazionale sui Sistemi Musicali Assistiti), based at the Centro Tempo Reale (Florence).

SERGIO CARVALHO
Assistant professor
Marketing

Sergeio received his PhD in business/marketing from Baruch College, the Graduate School of the City University of New York, his MBA in finance from Northeastern University, and his BBA from the University of Fortaleza, Brazil. In addition, he completed two postgraduate diplomas in international business at the Ecole Superieure de Commerce in France and in Finance at FGV-Fundacao Getulio Vargas in Brazil. Sergio has published and presented papers reflecting his research interests in the links between national identity and consumer behaviour. As a university instructor at both the graduate and undergraduate levels, Sergio has taught courses in a range of marketing disciplines, focusing on consumer behaviour, consumer research, and business strategy (international and domestic.) He has taught in the U.S., Taiwan, Hong Kong, Singapore and Brazil. His efforts as an instructor were recognized in Brazil with a “best professor” award in the graduate school of the University of Fortaleza. In addition, he has been nominated for the 2003 Presidential Excellence Award for Distinguished Teaching and received the 2004 Dean’s Distinguished Teaching Award both at Baruch College.

It’s the...Paint That Tunnel! Contest

Sick of walking through the boring tunnel in between University Centre and the Sciences Complex? Now you can do something about it!

The University of Manitoba Students’ Union (UMSU) and the University of Manitoba are looking for proposals from interested students to paint a mural in the University Centre – Allen connecting tunnel.

Submission Deadline: January 31, 2006

Proposal Requirements:

1. A paintable mural that will add to the University Centre’s atmosphere. The proposal should include the location of the mural on the tunnel wall, the design of the mural and a list of the necessary equipment and supplies.
2. A letter of support from the student’s faculty member or advisor.
3. A letter of sponsorship from a local art supply store.

A committee chaired by Evelyn Forget (Academic Director, Manitoba RDC) will evaluate all completed applications received by the due date. Results will be announced by 15 June 2006.

modes of payment

The grant will be awarded to the faculty member for the purpose of hiring a graduate student once all conditions have been met:

1. The research project has been approved. The procedure is described on the RDC website http://www.umanitoba.ca/centres/rdc/
2. The contract with Statistics Canada has been signed.

2006 RDC Faculty Grant Program

As a means of promoting the use of Statistics Canada datasets in faculty research projects and encouraging the funding of graduate students, the Manitoba RDC is offering research grants to faculty for the purpose of employing graduate students as research assistants on new projects.

The Manitoba RDC offers researchers in Manitoba free access to Statistics Canada datasets, as well as the workspace, professional and technical support and equipment needed to analyze these data. Information on the RDC program, the application process, and the datasets available can be found at the Statistics Canada website: http://www.statcan.ca/english/rdc/index.htm.

ELIGIBILITY

Applicants must:

1. Be a faculty member of any Manitoba University;
2. Plan to employ a current graduate student at a University at Manitoba as a research assistant;
3. The student to be hired may not simultaneously apply for support under the RDC Graduate Student Program.

AMOUNT AND NUMBER OF GRANTS

Up to 5 grants of $4000 will be offered in 2006, depending on the availability of funding.

APPLICATION PROCEDURE

Interested applicants must submit the following documents:

1. The proposal to submit to Statistics Canada/RC for approval to access the datasets, including a description of the research project, with details on the research question, methodology used, and the dataset to be accessed;
2. A current CV;
3. A CV and current transcript/student history for the student to be employed;
4. A cover letter, with contact information (name, home and departmental address, telephone number and email address) that clearly indicates to which program you are applying.

All documents must be received no later than 1 April, 2006. For further information and to apply, contact: Linda DeRiviere, RDC Analyst Linda_DeRiviere@umanitoba.ca

SELECTION PROCEDURE

A committee chaired by Evelyn Forget (Academic Director, Manitoba RDC) will evaluate all completed applications received by the due date. Results will be announced by 15 June 2006.
Is torture ever justified? The answer used to be ‘yes’

Books by University Staff

BY DALE BARBOUR
The Bulletin
University of Manitoba professor and Jesuit priest John Perry’s new book Torture: Religious Ethics and National Security considers how moral views, both of the Catholic Church and the world in general, have evolved over the past centuries.

“The ethical position has taken a 180-degree turn,” Perry said. “During the inquisition the Catholic Church engaged in torture, while in the 20th century torture is considered an attack on human dignity. I wanted to know how that reversal occurred and how it has been received.”

Historically, the issue was not whether torture was ethically correct, but what the rules for proper torture were. In reviewing theological discussions of torture from the 17th century, Perry said the subject matter covered aspects of torture, such as how to torture children or pregnant women.

“They always assumed torture was good and that you could do that, then the question was where do you draw the line?” Perry said. But the view was shifting, Pope Leo XIII spoke against torture at the end of the 19th century and when Vatican II was convened in 1962 by Pope John XXIII to look at Catholic doctrine the church came out against torture.

Perry said there is little in the church’s official commentary on the matter to explain the change in viewpoint, but it seemed to be part of the enlightenment with the value of human dignity becoming a litmus test for how people should be treated.

And yet, for all the rhetoric against torture, it still occurs. During the “Dirty War” in Argentina in the 1970s an estimated 20,000 people were tortured and then simply “disappeared.” In the period following the Sept. 11, 2001 attack on the United States, there have been questions raised about the behaviour of the United States in the Abu Ghraib prison in Iraq and at Guantanamo Bay. In Argentina, church leaders were at times complicit in the activities of the Dirty War. And Perry said in the post Sept. 11, 2001, period, American church leaders have often been silent on the rightness or wrongness of how the United States has chosen to wage its “war on terror.”

“Torture is intended as a textbook on the varying views of torture. It goes on to look at why torture is different from other warlike actions, what its impact on those being tortured is, and how people can seek justice and forgiveness.

The inspiration for the book has its beginning about five years ago when Perry was rousted out of bed in the middle of the night by police investigating what they had thought was a break in. Perry was living in a rectory in the south end of Winnipeg at the time and the police had entered believing that a break in was in progress. Perry, and another priest sleeping down the hall, awoke to find police flashlights shining in their eyes.

“I thought, if we had been in a different country what would have happened next is we would have disappeared,” Perry said. “This was five years back and then 9-11 and its aftermath came along and I was afraid we might be coming to this.”

Perry’s last book focused on the ethics of genetically modified food. Examining the ethics of torture was a far harder, far more emotional, book to write. Given the focus on Argentina, he was invited there to speak at a conference. Deciding to go turned into a stressful decision.

“Having read so much about what had happened, I felt so close to it,” Perry said. “Of course, after I went I realized that it was 30 years later and that things are different now. Those being persecuted are now in charge of a democratically elected government.”

U of M’s giant book sale set for Feb. 8

It might just be the best book sale in Winnipeg. The University of Manitoba Libraries Book Sale returns on Wednesday, Feb. 8 from 10 a.m. to 8 p.m. in the Manitoba Room, University Centre.

There will be thousands of books in the bargain section with subject matter ranging from mysteries, romance, sci-fi, biographies, pocket-books, magazines, to academic books, and literature.

The individually priced section includes collector and fine art books, and other unique items of interest.

The Malaspina Experience: Access, Retention, and Graduation

a public lecture

DR. E. RICHARD ATLEO

Dr. E. Richard Atleo (Chief Umeek), is a hereditary Chief of the Awoosahit who was born into the Big House known as Klah-ih-peth owned by Keetza the last of the Awoosahit shaleers. He taught at both UBC and Simon Fraser University before responding to a need for First Nations post-secondary programming at Malaspina University-College where he was instrumental in developing a First Nations BA program that contributed to securing First Nations enrolment on that campus. He is also well-known for his 2004 book, Tsawalk: A Non-chub-nahl wolfsaw (UBC Press).

Wednesday, February 1
7:30 p.m. to 9:00 p.m.
Room 224, Education Building
University of Manitoba, Fort Garry Campus
All are welcome | Free Admission
For more information please see: www.umanitoba.ca/education
Laube helps put ‘community’ into residence life

A Day in the Life of a program coordinator

BY DALE BARBOUR

The Bulletin

As the program coordinator for housing and student life, Meghan Laube focuses on how the university’s 1,200 residence students experience life when they’re not in class. It’s a job that has her involved with everything from outreach programs in the residences, health and wellness efforts to working on the in-house residence newsletter Residence.

Fortunately, Laube doesn’t have to do the job alone: there are 40 student staff living in the residences providing the legwork, ideas and leadership to ensure that student life in the residences is everything it can be. At the end of the day, Laube’s job is as much about giving students the skills they need to run their programs as much as it is about running the programs herself.

“At the beginning of the year, we’ll spend two weeks involved with intensive training,” Laube said. “It covers leadership to non-violent crisis intervention, everything they might encounter living in the close community that is residence.” They also get a taste of community involvement: last fall for example, the group participated in a United Way Day of Caring at the Urban Circle Training Centre helping paint and landscape the facility in time for the start of its academic year.

Laube looks after professional development throughout the year, and along the way the students increase their skills in areas such as the Praxis Program, which takes the sort of community involvement they practiced at the Urban Circle Training Centre, and spreading it throughout the year by working with Winnipeg Harvest or promoting Domestic Violence Awareness and Prevention Month. Laube helps coordinate the program, but it’s really up to the students to make it fly.

“We give them the tools and we hope they’ll take those tools and use them to engage other students in the community.” Ultimately, Laube said they hope students will engage other students in the community involvement they practiced, and that they’ll extend to the entire university and become part of a community service component of student education. But establishing the program in the residences is a good first step.

Residence programming isn’t just about community service, however, sometimes it’s just about community spirit. The residents have a fresh from head to head competition this month, which pitted the U of M volleyball team against their counterparts at the University of Winnipeg, were enjoying the competition and earning points for their own league back in the residences. It was easy to spot who was involved, they were the ones wearing the white t-shirts that read, “If at first you don’t succeed, try the U of W.”

Laube says the most enjoyable part of the job is seeing the student leaders she’s helped train graduate from the university and the leadership programs and start putting their skills to use. Of course, she’d know what that was like first hand: before taking on the program coordinator job last year, Laube was wrapping up her own university degree and living in residence as a student worker herself.

Along with working with students, Laube also manages the Parents Program for student and housing life. As part of that job she fields calls from parents looking for information and holds a parent’s orientation session every summer to let parents know how the university operates.

“People often assume the Parent’s Program is just for the parents of students in residence, but it’s really intended as a resource for the parents of all the students on campus.”

University Roundup

MEMORIAL UNIVERSITY

Music students at the Memorial University are now able to learn to play the Zimbabwean instrument the mbira dza vikudzira. The resonators for the instruments were built by third year naval architecture students in the Marine Institute.

For more information please contact
Cyrus Shafai
Associate Professor, Department of Electrical and Computer Engineering

Nanotechnology: Nano-Systems in our Future

Cyrus Shafai
Associate Professor, Department of Electrical and Computer Engineering

Nanotechnology: Nano-Systems in our Future

Today’s electronic devices are drastically smaller in size than they were only a few years ago. The fabrication of components with nanometre sized features is routine, and devices with nanometre sized components are now commercially available. These same nanofabrication technologies are now being applied to the manufacturing of microscopic mechanical components, often with integrated computers. Find out how these nano-systems are being used in applications from tiny implantable medical devices and sensors, to household appliances that use microscopic mechanical parts.

Tuesday, February 7, 2006
12:00 noon
Room S211 - Medical Services Bldg
BANNATYNE CAMPUS

$4/person (lunch provided)
Space is limited. Registration is required.
To reserve your seat, contact Phyllis Brown
Phone 474-6200
Email: brownp@cc.umanitoba.ca

The series is sponsored by the Office of Vice-President (Research)
Events Listing

26 makes an indoor appearance

The young Winnipeg collective “26” will participate in its first museum show at Gallery One One One from Feb. 9 to March 10.

The show will launch with a reception on from Thursday, Feb. 9 from 4 to 6 p.m. followed by an afterparty at Wise Guys on campus.

The group, ‘26’ or ‘Two Sicks’ or ‘Two Six’ or ‘Two Six’ – there are endless variations – includes Cyrus Smith, David Winky, Shaun Morin, Melanie Rocan, Jan August, Fred Thomas, DJ Brace (Mike Top) and guests. Except for Fred Thomas and DJ Brace, 26ers are current graduates of the University of Manitoba’s School of Art in Winnipeg.

Although barely out of art school, Two-Six are already successful artists with street cred and art world sanction. Two-Six makes paintings and drawings, zines, videos and music CDs. On the streets they “nail bomb” “prefabs” to walls and fences and in galleries they install, along with larger works, collections of small wall works they call “Shame Walls,” a punning reference on Halls of Fame.

Like Winnipeg’s Royal Art Lodge, New York’s Derraindrop and countless other young and old collectives going back to Fluxus and Dada, 26 makes “all-media-any-genre” art, initiating their own shows not only because that is what most young artists introduce themselves to the art world, but also because it gives them total control over their work. Artists like 26 regard any exhibition space as more-or-less equivalent to any other, and they put as much loving attention into a telephone pole installation as a group show at the local kunsthalle.

The “26” show will include photographs of the group by William Eakin and is curated by Clifford Elylland.

Fort Garry Campus

Anthropology, ‘Amidst the Stones Hypnotized by the Moon’ a feature documentary on Andean pastoral nomad shepherds by Ruben Guzman, an independent documentary filmmaker, Daloue Library Theatre, 2:30 p.m., Friday, Jan. 27.

Religion, The trace as tragic vision: Hegel and Derrida, by Dawne McCance, Institute for the Humanities Food, 7:30 p.m., Wednesday, Feb. 1.

MONDAY, JANUARY 30

Seventh Annual University-St. Paul’s Affiliation Lecture, Spirituality at Work by Fr. Max Oliva, Jesuit priest, spiritual advisor and ethics consultant, 258 St. Paul’s College, 7 p.m., Monday, Jan. 30.

TUESDAY, JANUARY 31

Institute for the Humanities New Native/UMIH Affiliates Colloquium Series, Weetigo and Windigo: The Role of Oral Traditions in Cree and Anishnabé Residential Schools by Raineen Eigenbrod, Native studies, UMIH associate, 409 Tier Building, 2:45 p.m., Tuesday, Jan. 31.

WEDNESDAY, FEBRUARY 1

Native Studies, Working within a framework of colonization: Why I Began Wanda Wuttunee and Kimberley Wilde, Native studies, 307 Tier Building, 12:30 p.m., Wednesday, Feb. 1.

Education, The Malaspina Experience: Access, Retention and Graduation by E. Richard Adeo, (Chief Umeek), is a hereditary Chief of the Aousauht who was born into the Big House known as Klaaq-ish-peeth owned by Keesta the last of the Aousauht whalers. He is also well-known for his book, Tsawalk: A Nuu-chah-nulth Worldview (UBC Press), 224 Education Building, 7:30 p.m., Wednesday, Feb. 1.

THURSDAY, FEBRUARY 2

Smartpark INTERACTIVE Speaker Series Presents: ‘The Power 30’ with Emoke Szathmary, University of Manitoba president, Lobby Boardroom, 115 Innovation Drive, 7:30 a.m., Thursday, Feb. 2. E-mail goodacre@mns.umanitoba.ca or call 474 7975 to reserve a seat. Seating is limited. Registration required. Event is free.

Education, Science Education Reform: Where Have We Been and Where Are We Going? By Norman G. Lederman, chair and professor of mathematics and science education at the Illinois Institute of Technology, 224 Education Building, 7:30 p.m., Thursday, Feb. 2.

Institute for the Humanities Food for Thought, An Unsuitable Job for a Lady, Revelations of Victorian Lady Detectives by Arlene Young, English, McNally Robinson Booksellers, Grant Park Mall, 7:30 p.m., Thursday, Feb. 2.

Continued on Page 10.

Bison Sports

MENT’S HOCKEY

Feb. 3 – Saskatchewan at Manitoba, Max Bell, 7 p.m.

Feb. 4 – Saskatchewan at Manitoba, Max Bell, 7 p.m.

Feb. 10 – Regina at Manitoba, Max Bell, 7 p.m.

Feb. 11 – Regina at Manitoba, Max Bell, 7 p.m.

MEN’S BASKETBALL

Feb. 3 – Regina at Manitoba, Investors Group, 8 p.m.

Feb. 4 – Regina at Manitoba, Investors Group, 8 p.m.

Feb. 9 – Winnipeg at Manitoba, Investors Group, 8 p.m.

MEN’S VOLLEYBALL

Jan. 27 – Brandon at Manitoba, Investors Group, 8 p.m.

Jan. 28 – Brandon at Manitoba, Investors Group, 8 p.m.

WOMEN’S HOCKEY

Jan. 27 – Alberta at Manitoba, Max Bell, 7 p.m.

Jan. 28 – Alberta at Manitoba, Max Bell, 7 p.m.

Feb. 4 – Lethbridge at Manitoba, Max Bell, 2 p.m.

Feb. 5 – Lethbridge at Manitoba, Max Bell, 2 p.m.

WOMEN’S VOLLEYBALL

Jan. 27 – Thompson Rivers at Manitoba, Investors Group, 6 p.m.

Jan. 28 – Thompson Rivers at Manitoba, Investors Group, 6 p.m.

WOMEN’S BASKETBALL

Feb. 3 – Regina at Manitoba, Investors Group, 6:15 p.m.

Feb. 4 – Regina at Manitoba, Investors Group, 6:15 p.m.

Feb. 9 – Winnipeg at Manitoba, Investors Group, 6:15 p.m.

TRACK AND FIELD

Feb. 4 – Cargill Games (University), Max Bell, All Day.

Feb. 10-11 – Cargill Games (Age Class), Max Bell, All Day.

TICKET INFORMATION

Single Game

Adults: $8

Students: $5

12 and under: free

Seasons

Adults: $55

Students: $30

Tickets available at all Bison home games, Frank Kennedy, Max Bell Equipment Desk.

www.umanitoba.ca/bisons/
Thursday, January 26
Immunology Annual Graduate Student Research Presentations, Maintenance and Loss of Memory in Cutaneous Leishmaniasis: Implications for Vaccine Design and Vaccination Strategies by Iefoma Okwor, MSc in immunology (University of Manitoba, in progress), 12:30 p.m., and on the role of glucocorticoid mediated neutrophil survival, Arash Shoja Saffar, MSc in immunology (University of Manitoba, in progress), 12:30 p.m., John Buhler Research Centre, Thursday, Jan. 26. Lunch provided.

Friday, January 27
Community Health Sciences, End- of- Term Family Medicine Course, Policy and Program Pitfalls and Possibilities by Evelyn Shapiro, senior scholar, community health sciences, University of Manitoba, Dr. Betty Havens Seminar Room, R060 Med Rehab Building, 771 McDermot Ave., 12 p.m., Friday, Jan. 27.

Monday, January 30
H.B. Bondy, Leisure and Human Performance Research Institute, Physical Activity and Cancer Prevention and Management, Kerry Courneyea, professor and Canada Research Chair (Tier 1) Physical Activity and Cancer, Faculty of Physical Education & Recreation, University of Alberta, Dr. Arnold Greenberg Lecture Theatre, 2nd Floor of CancerCare Manitoba, 600 Mission St., 12:30 p.m., Jan. 30.

National Training Program in Allergy and Asthma Research Seminar Presentation, How to review/write a scientific paper, Immunology Library 604/605 Basic Medical Sciences Building, 3:30 p.m., Monday, Jan. 30.

Tuesday, January 31
Internal Medicine, Epilepsy and lefal Cardiac Arrhythmia Section of Yahya Aghahani, director of electrophysiology lab, assistant professor, University of Manitoba, Theatre A Basic Medical Sciences Building, linked to NG002 in progress, 12:30 p.m., Immunology and Medical Genetics, Inhibition of semaphorin signaling by Dlx homeobox genes promotes tangential migration of interneurons to the neocortex by Trung Le, Theatre A Mezzanine, Basic Medical Sciences Building, 12:15 p.m., Wednesday, Feb. 8.

Biochemistry and Medical Genetics, The role of mutations in the pro-cell death Bcl-2 family member, BNIPS, in hypoxia-induced cell death in breast cancer by Nicole Bristow and Multiple Vertebral Segmentation Defects by Scarlett Drescher, Theatre A Mezzanine Basic Medical Sciences Building, 12:15 p.m., Wednesday, Feb. 1.

Thursday, February 2
Immunology Annual Graduate Student Research Presentations, Stimulation of mouse macrophages by recombinant VSV viruses expressing Filovirus glycoproteins by Alex Silaghi, MSc in Immunology (University of Manitoba, in progress) Special Pathogens Program National Microbiology Laboratory Public Health Agency of Canada, 12 p.m., Thursday, Feb. 2.
Plant scientists make breakthrough discovery

By Frank Nolan, Research Promotion Officer

A team of University of Manitoba plant scientists has discovered a receptor for a plant hormone called abscisic acid (ABA). The discovery, published in the January 19, 2006 edition of the scientific journal Nature, represents a major leap forward in our understanding of plant growth and development.

The team, led by Robert Hill, includes postdoctoral fellows Ashraf El-Kereamy and Fawzi Razem. They have found that a protein called FCA is a receptor for abscisic acid (ABA), a hormone that plays an important role in the timing of seed germination and a plant's transition to flowering.

"ABA is essentially a survival hormone that is involved in a plant's response to many environmental stresses," Hill said. "The hormone is particularly important for plant survival in our Canadian climate where the response to cold, drought, salt and the timing of germination and flowering are all regulated by this hormone."

Knowing what the hormone does is only half of the puzzle, since ABA can only have an effect when it has a specific receptor site to bind to.

"There are two ways you can have an effect with ABA," Hill said. "You can have high levels of the hormone receptor, so that small amounts of ABA have an immediate effect, or you can have a higher amount of ABA with a lower number of receptors. If there are no receptors for the hormone, you don't get any effect."

While scientists have known about ABA for many years, nobody had previously been able to isolate a receptor. The discovery of FCA as a receptor is particularly important in understanding how and when a plant becomes reproductive.

A plant's reproductive organs develop when the transition to flowering occurs, and FCA is involved in the flowering response. When FCA and another protein are both present, this transition to flowering can take place.

"This process is already known," Hill said. "But what wasn't previously known is that the hormone, ABA, interferes with this process. We have shown that FCA has a receptor site for ABA, and when ABA is present, it prevents the two proteins from coming together, which means that the plant will not flower.

"The paper in Nature describes the steps involved in the discovery by Hill and his team that FCA is an ABA receptor. It provides proof that FCA binds ABA and that this binding has an effect on the action of the protein at the molecular, cellular and whole plant level."

"The downstream actions of ABA have been known for many years" Hill said. "This is the first description of the receptor part of the process. We were standing with a key at a door, knowing what was happening on the other side, but unable to find the lock. We have now found the lock."

For more information, please visit the Nature Web site to hear a podcast interview with Robert Hill: www.nature.com/podcast.

Finding better ways to repair high-tech alloys

By Frank Nolan, Research Promotion Officer

The nickel-based "superalloys" used to construct modern aircraft engines are much stronger than traditional alloys, and they operate at temperatures that would have been inconceivable 30 or 40 years ago.

Unfortunately, these advanced materials are also very expensive. A typical high bypass turbofan engine can cost upwards of $1 million, and replacing the blades and nozzle guide vane in an existing engine costs more than $1 million. Understandably, the aerospace industry is very interested in finding effective ways to repair, rather than replace, components made of these high-tech alloys.

"The newer alloys are much more difficult to repair than the traditional materials," said Norman Richards, mechanical and manufacturing engineering. "Current repair techniques like gas tungsten arc welding or vacuum brazeing don't bring the repaired parts back to the original drawing requirements. We're looking at new technology that will make repairs that are more cost-effective and have a much longer life."

Richards leads a team of researchers investigating new ways to repair both nickel and titanium-based superalloys. The team includes department colleagues Jack Cahoon and Mahesh Chaturvedi, who holds a Canada Research Chair in aerospace materials.

Over the next three years, the project will receive $519,150 in funding from the Natural Sciences and Engineering Research Council of Canada (NSERC). Richards' team is working closely with industry partners, including Standard Aero and Bristol Aerospace, to examine the mechanical properties of repairs made using newer techniques, like laser processing and electron beam welding.

"With laser processing, for example, people have already looked at the micro-structure of these materials before and after repairing," Richards said. "We're going to do that as well, but we're also looking at the mechanical properties of the repairs themselves. In a gas turbine, these materials operate under extreme conditions of high stress, alternating stress, low cycle fatigue, high cycle fatigue, thermal fatigue, you name it. We want to know how well the repaired material performs under these conditions compared with the baseline material."

Richards will use a piece of equipment called a Gleeble Thermal Simulator that can simulate the extreme temperature conditions gas turbine parts would be subjected to in normal operation. This thermal cycling, Richards said, is very important in determining how well repairs made with the new technology will perform.

"It's a very tough test of the material," he said. "It's heating up and cooling down over and over, and different parts of the material are cooling at different rates. There's a lot of stress on both the material and the repair itself."

By studying the mechanical properties of repairs made by laser processing, electron beam welding, and other emerging technologies, Richards hopes to be able to tell his aerospace industry partners which repair method works best for specific applications. The other major goal of the project is to train students in these advanced technologies.

"We'll be including graduate students and postdoctoral fellows, as well as third and fourthyear engineering students," he said. "We'll be training a lot of people."
Meet The Dean

**By Dale Barbour**

In medicine best patient care is paramount, and, everything depends on having the right information at the right time.

"In critical care, to be sure that you are providing the best quality care, you need to have data about what you did," Sandham said – who you cared for, what treatment was involved, what drugs were used, and so on. Hospitals have always collected that information, the leap Sandham wanted to make was in how it was accessed. Through his efforts as director of critical care he worked to have the information not only digitized but electronically available beside each critical care bed.

Not long after taking Calgary through that innovation, Sandham was on walkabout in Australia and got the call from the University of Manitoba asking him to apply for the dean’s position. He applied, got the job and joined the U of M last year – the latest twist in an interesting career that began on a farm near Coalhurst, Alberta.

Back then the obvious choice for Sandham would have been to go into farming. But there were other influences.

"There was a lot of respect in my family for learning and my elder sisters, who were nine and ten years older than me, had become a nurses and we were all very proud of them for doing that," Sandham said. As he was growing up, the family also took on the responsibility for caring for his ailing grandfather.

"I had really learned to take care of him because we didn’t have the modern conveniences then," Sandham said. In the end entering medicine became an obvious choice, but that doesn’t mean he didn’t look back.

"If you do one thing means choosing not to do something else. I’ve always thought farming would have been a wonderful way of life and a wonderful way to raise a family."

And it doesn’t mean he went straight into medicine – Sandham went on his first walkabout in 1960, when he took a year off school to tour and work in New Zealand, Australia and Europe. He returned to start classes in Lethbridge and moved on to the University of Alberta for medical school.

"It was interesting because of the difference in backgrounds," Sandham said of medical school. "Most of my classmates were from professional families so it was interesting to have that kind of mix and it was also one of the difficult parts."

After graduation, Sandham spent four years working as a family doctor at a clinic in Red Deer, Alberta – many of his patients were Second World War vets who had their own wealth of experiences to share.

"It was a wonderful experience. I enjoyed every minute of it. It was a clear case of not knowing when I was well off when I left it," Sandham said. "If I had had any sense I would have stayed there and been retired by now."

But when he decided to move from running a practice to critical care, he wasn’t thinking about the road to retirement.

"It was clear to me that critical care was a place where you could really really make a difference," Sandham said. "I was looking for a challenge and an adventure and professional growth."

He moved to a position with the Calgary General Hospital – with 1,100 beds it was a far cry from the clinic where he had been working. At the time, there was a turf debate at the hospital over which medical director should run the new 31-bed intensive care unit.

In the end they created a new position to run the unit directly and Sandham, straight out of residency, got the job.

"I was 34 and being head of a clinical department I was sitting at the board table with people 20 or 30 years older than me," Sandham said. "But we were a wonderful group of people, good role models and they taught me a lot about how the hospital worked."

Sandham’s job after amalgamation was to take the three intensive care units that remained standing and help them work together. As department director he also partnered with the University of Calgary to make critical care an academic department. It was a partnership that allowed him to pursue bringing critical care data right to the patient’s bedside.

And it was not long after that the U of M came calling. It was a challenge and a chance to make a difference. He couldn’t resist. But this time he decided if his faculty can do for its students and people in the community.

Sandham said the mandate of the Faculty of Medicine to the people of Manitoba is to provide healthcare professionals who are “fit for purpose and prepared to function in today’s world to provide the best possible healthcare.

"This means we must keep the best of our traditional emphasis on knowledge about the human condition, but be the agents for change which helps our profession adapt with new skills that allow us to transfer that knowledge into the best possible care," Sandham said. These incremental areas of intellectual endeavor in knowledge transfer include understanding process design, quality and safety methods, health informatics and measurement for quality, and interdisciplinary education and practice. The dean realizes a huge cultural shift for healthcare faculties but it is an expectation of the people they serve.

"Our endeavor is supported by the three pillars of medical education are research, education and clinical service," Sandham said. "The challenge is to bring all three forces in balance in the school.

The medical school more so than any other faculty at the university relies on a delicate balance of clinician scientists who are training students and conducting research at the university and physicians in the field who work with residents and students to give them the hands on training required in medicine. Part of Sandham’s job is to keep and recruit people for both aspects.

The Faculty of Medicine also has to work together with the other medical research establishments in Winnipeg. Having diverse collection of agencies all focused on research is what gives Winnipeg its strength in the field, Sandham said.

"We’re not in competition with each other but we are in competition with other Canadian universities. We can’t out-compete them but we can out-cooperate them."

On the personal side, Sandham met his wife Joan Jackson while at the University of Alberta – she was training to be a nurse while he was working there then becoming a doctor and they married while students. They have four children and three grandchildren.

Sandham said they’re thrilled to be in Winnipeg.

"Winnipeg is a well kept secret in Canada. It’s a much better place to live and work than people realize."

In some ways it’s a perfect fit for them – they enjoy canoeing. Sandham hunts and rural Manitoba has plenty of appeal for someone who has never looked back on an agricultural background.

Sandham has a farm background, but he followed a family trend by entering medicine.

Photo by Dale Barbouer

Dean Sandham, Faculty of Medicine dean, was on walkabout in Australia when the University came calling with a potential job. The challenge was enough to bring him to Manitoba.

Sandham's job after amalgamation was to take the three intensive care units that remained standing and help them work together. As department director he also partnered with the University of Calgary to make critical care an academic department. It was a partnership that allowed him to pursue bringing critical care data right to the patient's bedside.