Homecoming victory

BY DALE BARBOUR
The Bulletin

You couldn’t ask for more from Homecoming Week. There was a chance to meet old friends, see what’s new on campus and watch the Manitoba Bisons destroy the Calgary Dinos 33-10 in front of 2,500 people during the Homecoming game on Sept. 16 at University Stadium.

“It’s great to see so many of you at the homecoming banquet,” president Emőke Szathmáry told the more than 350 people on hand for the dinner on Sept. 16 — many of them still pumped from the Bisons’ victory.

In all there were 41 official reunions during Homecoming Week, with many more unofficial get togethers between friends. Most of the alumni graduated during the 1940s and 1950s and Szathmáry said for them coming home is a chance to see a university transformed. The University of Manitoba has grown to the point where there are at least four times as many students at the university now as compared to the 1950s.

See HOMECOMING/P. 2

BY RENÉE BARCLAY
For The Bulletin

For the first time ever, University of Manitoba Dentistry students don’t have to buy textbooks. First year students were instead required to purchase a laptop computer loaded with VitalSource software, giving them access to 59 digital textbooks. The move is part of the Faculty of Dentistry’s initiative to incorporate cutting-edge technology into its curriculum. This past summer the faculty also upgraded its 48-year-old building to a wireless facility.

Student reaction to the shift away from traditional textbook learning has been mixed.

“I think it has both positives and negatives,” says Alex Witzke. “The electronic format makes it easier to do research, but for some textbooks like atlases, it’s hard to get the whole image on the screen.”

“Having the (VitalSource) technology is good because of timeliness. It’s easier to search for things online than flipping through a textbook. We can do a search like on the Internet,” says Tracy Kolson, adding that one of the drawbacks is that reading from a computer monitor can be hard on the eyes.

Perhaps the best value for students is they don’t have to purchase expensive textbooks which cost between $200 and $400 each, says instructor, Nita Mazurat.

Mazurat regularly directs students to the VitalSource texts, but she also uses it to prepare her lectures.

“I think it’s fabulous,” she says of the technology that allows instructors to download free photos for PowerPoint presentations. “We don’t have to reinvent the wheel. If you look for information, you go there, and there it is.”

“With VitalSource, we have resources at our fingertips,” echoes Dieter Schönwetter, education specialist.

“We’re trying to move away from instructors having to recite information. We teach the processes so students can do their own research and be more involved in critical thinking.”

See DENTAL/P. 2
In The News

University of Manitoba members are always making news – demonstrating the university's impact on the community. Here's a look at the stories and headlines that show how U of M faculty and staff impact the world around them.

Superbugs challenge ICUs

National Post, Sept. 14

University of Manitoba microbiology professor, George Zhanel gained local, national and international media attention for his research on superbugs and infections in intensive care units of Canadian hospitals.

Zhanel was the primary investigator with the Canadian Intensive Care Unit Surveillance Study. His team found drug-resistant superbugs are spreading rapidly in intensive care units across the country.

This means more patients are likely to die or have longer hospital stays.

The researchers believe doctors need to treat superbugs quickly and aggressively with broad-spectrum antibiotics designed to kill many types of bacteria.

Russian historians celebrate

Winnipeg Free Press, Sept. 5

University of Manitoba mineral and rock scientist Frank Hawthorne has been given a rare honour in recognition of his work.

He is now a member of the Russian Academy of Sciences.

"It is truly a great honour and it’s very fulfilling because it’s the kind of attention you feel that you’ve jumped out of your field of study into something bigger," Hawthorne told the media.

Hawthorne was recognized for his work on crystal structure and the crystal chemistry of minerals in the earth which have contributed to the world’s knowledge of modern mineralogy.

The academy represents the best scientific minds in Russia and only the elite are elected to its ranks.

Hawthorne holds a Canada Research Chair in Crystallography and Mineralogy at the University of Manitoba.

Correction

In the Sept. 7 Bulletin article entitled "Internationales" (students' first class: university 101),” the names of Paula Macedo and Rita Patarrao were spelled incorrectly.

Macedo and Rita Patarrao were spelled incorrectly.

"We continue to hunt at the seams with students but we’ve been able to focus on restoration and development," Szathmáry said.

“Free Press, Winnipeg Free Press

New facilities, such as the Richardson Centre for Functional Foods and Nutraceuticals, have gone up on campus, old facilities such as the Engineering Complex have been transformed and new buildings, such as the Apotex Centre at the Bannatyne campus, are on the way.

Engineering graduates Kristjan Anderson and Lou Howard were taking in those changes first hand when they took a campus tour on Sept. 15.

"When we graduated in 1948 they were just digging the foundation for the second engineering building. Now when we come back 58 years later it’s been replaced," Howard said.

He joined the Faculty of Engineering after serving as a naval officer in the Second World War while Anderson headed directly in after graduating from high school it the Selkirk area. Both of them can still remember their first taste of higher education.

"It was quite a shock. Coming after Grade 12, the first year of engineering was like trying to get a drink from a fire hose," Anderson said.

But apart from the education, Anderson and Howard also forged a fast friendship during their time in engineering. They’ve attended Homecoming together before,

"When we graduated in 1948 they were just digging the foundation for the second engineering building. Now when we come back 58 years later it’s been replaced," Howard said.

"We've been together 58 years as friends and still do things together – so that's why the university did for us," Howard said.

At the banquet, Chancellor William Norrie talked about his own experiences at the University of Manitoba – while he was learning to be a lawyer in the classroom he was also getting critical training as the president of UMUNL that would come in handy during his own foray into politics as mayor of Winnipeg. Perhaps most importantly, it was while volunteering for the 100 Club that Norrie met his future wife Helen.

Norrie said one of the principle roles of the Chancellor is to serve as a bridge between the university and the community. The feedback he gets when he’s out in the community is how the university is held in high regard by the people who live in the community.

"People hold that regard for the university because all of you have taken the opportunity to speak about the University of Manitoba," Norrie said. "When you talk about your time here you too become an ambassador for our alma mater.

As Szathmáry told the over 350 people on hand for the Alumni dinner, “You all make the University of Manitoba strong. Your hearts still beat Brown and Gold. Please come home again.”

Homecoming brings people together, showcases U of M

From Page 1.

"We've been together 58 years as friends and still do things together - and that's what the university did for us." - Lou Howard, Faculty of Engineering alumni

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Dental students get latest technology

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The academy represents the best scientific minds in Russia and only the elite are elected to its ranks.

Hawthorne holds a Canada Research Chair in Crystallography and Mineralogy at the University of Manitoba.

Headline news

Where else has the U of M been making news? Here’s a look at just a few of our headlines over the past few weeks.

- "U of M grads help seniors spice up their palates," Winnipeg Free Press, Sept. 5.
- "First year students find new home at U of M," Winnipeg Free Press, Sept. 3.

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I regret any confusion caused by this mistake.

Dale Barbour

Bulletin editor

The Bulletin

University of Manitoba

The Bulletin is the newspaper of record for the University of Manitoba. It is published by the Public Affairs department every second Thursday from September to June and monthly in December, July and August.

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Events:

The Bulletin publishes notifications on events taking place at the University of Manitoba or events that are of particular interest to the university community.

There is no charge for running notices in the events column. Send event notices to: barbourd@ms.umanitoba.ca

Advertising Policy

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The Bulletin can be viewed online at umanitoba.ca/bulletin
Lab open to researchers across Canada

Advanced RF Systems lab creates cyber-infrastructure

BY MICHAEL MARSHALL
For The Bulletin

A new lab located in the Engineering and Information Technology Complex (EIT) will allow microsystems researchers across Canada to remotely conduct tests at the University of Manitoba.

Called the Advanced RF Systems Laboratory – the second of four specialized test labs in Canada’s $25-million National Microelectronics and Photonics Testing Collaboratory – the new lab is the result of a partnership that includes, among others, the University of Manitoba, McGill University, and Queen’s University.

Politicians, industry leaders, university researchers and graduate students were all on hand for the official opening of the facility that took place on Sept. 7. I had a chance to tour the lab and it’s truly world-class,” said Industry, Economic Development and Mines Minister Jim Rondeau. “It’s a wonderful milestone. The establishment of this lab supports new innovative lines of research.

The “virtual” component of the laboratory uses the internet – specifically CATnet, a high-speed network managed by CANARIE – to make specialized microelectronics and photonics testing equipment, located at the University of Manitoba and three other Canadian universities, available to microsystems researchers and their graduate students at 17 other universities across Canada.

It represents a key building block in Canada’s microelectronics and photonics testing network and will remove a major roadblock in microchip testing: access to sophisticated and costly equipment required to test and validate high-performance microsystems.

“Researchers and graduate students across the country will be able to remotely access testing equipment and collect data from this world-class facility, which will be an enormous benefit to a wide and in age of industries, both here in Manitoba and nationwide,” said Digvir Jayas, associate vice-president (research) at the University of Manitoba.

The lab’s new test capability will help to advance applications in many sectors, and is expected to give Canadian researchers an unparalleled competitive edge in the multi-billion dollar microsystems and photonics sectors.

“The advanced RF Systems Laboratory will enhance our research capacity, and it will complement our existing state-of-the-art facilities, including the Applied Electromagnetics Laboratory, the Nano-Scale Testing Fabrication Laboratory, and others here in the Faculty,” added Jayas.

We can look at food from inside and out

BY DALE BARBOUR
For The Bulletin

Fridge. Stove. Even some plastic Saran wrap.

The new Barbara Burns Food Innovation Laboratory might look like a kitchen but it has all the ingredients of a world class laboratory.

“The development of this lab is a dream come true,” human nutritional sciences senior scholar Beverley Watts told the 40 people on hand for the lab’s grand opening. “This may seem extravagant to people here today but for those teaching and conducting research here over the years, it’s no exaggeration.”

The food innovation laboratory will give students critical experience in physically preparing food and modifying it for dietary and health benefits.

Students will learn food’s fundamental characteristics which determine their role in processing, product development, and in consumer appeal.

Along with bolstering the research strength of the Faculty of Human Ecology, the lab will also be used by researchers from the Richardson Centre for Functional Foods and Nutraceuticals and the Agriculture and Agri-Food Canada Cereal Research Centre.

The laboratory was made possible with the help of a $200,000 donation from the Burns family.

Martha Burns, daughter of Barbara Burns and of Jim Burns, director emeritus of Power Financial Corporation, attended the event to speak on behalf of her family and open the facility.

“Barbara was eating whole wheat and this was long before it became a given for people with an eye for healthy eating. And when the Burns children started voicing interest in soda pop, Barbara Burns set up a little home experiment to show them the error of their ways.”

President Emőke Szathmáry and Martha Burns check out the newly christened Barbara Burns Food Innovation Laboratory. The lab, named for Martha’s mother, will help students prepare and study food to isolate its health benefits.

“A beef liver was procured and coke was poured on top of it. We were supposed to come back in a few days to see the results but by that afternoon the effect was clear and thus began my own glimmer of understanding of food and health,” Martha Burns said.

President Emőke Szathmáry said she knew Barbara Burns as someone who never lost her interest in the science of food and who maintained an avid interest in the city of Winnipeg. It was only appropriate then, that her name christen a lab capable of taking the Faculty of Human Ecology into the 21st century.

Up until the redesign, Barbara Burns probably would have had no problem recognizing students in the fourth floor laboratory – it hadn’t changed much since she was a student at the university.

It was a 1940s-era laboratory with rows of counters, not unlike pictures you’ll see of old science labs,” Human Ecology dean Gustaf Sevenhuysen said.

“It was very restrictive for the number of students and for the types of experiments they could run. But this facility gives us all kind of flexibility for students to learn the skills that the employers and world-class researchers demand.”

We can use it for teaching or research – the tables are on wheels so we can have them set up in the centre of the room when it is in teaching mode or we can move the tables so people can focus on their particular food preparation,” Sevenhuysen said.

From a research point of view, the laboratory meets all of the safety specifications for a food research laboratory – that means Human Ecology can partner with any company or research group interested in innovative food product development, and adapting foods for nutritional benefits.

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Libraries evolve to meet students’ needs

Commentary

The University of Manitoba invites expressions of interest in the former roles for the positions of Dean, Faculty of Physical Education and Recreation Studies. Founded in 1877, the University of Manitoba has over 24,000 undergraduate students, 3,300 graduate students, more than 2,000 faculty and staff and a $104.1 million operating budget. The University offers 82 disciplines at the undergraduate level. Most academic units offer graduate study programs leading to masters or doctoral degrees. In the University, there is a strong research centers and institutes that provide unique interdisciplinary and educational and training opportunities. The main campus comprises more than 59 buildings located on the Red River, about 12 km from the centre of Winnipeg. Winnipeg offers world-class arts, entertainment, and professional sports in a family-oriented urban community. The city boasts a balanced, affordable lifestyle that is close to superb outdoor recreational activities with a wide variety of lakes, beaches and wilderness areas within an easy drive of the city. For further information about the University, please visit the website at www.umanitoba.ca.

With 24 faculty members and coaches, the Faculty of Physical Education and Recreation Studies offers three undergraduate degrees in Kinesiology, Physical Education, Recreation Management and Community Development; two Master's degrees and one of Canada’s six accredited programs in Athletic Therapy. The academic research programs include an extensive and review of its undergraduate and graduate programs and their offerings, priorities, and the development and implementation of a Ph.D. program in Athletic Therapy. The University of Manitoba, in the fall of 2007 Faculty research is conducted through the Health, Leisure and Human Performance Research Institute, a multi-disciplinary faculty with three areas of research specialization. Within the Faculty, the Sport and Active Living Centre provides opportunities for the development, community access and outreach and practical training opportunities through its Bison Sports, Children’s Programs, Recreation Services and Athletics. The academic research library plays an integral role in learning in the digital age while continuing its traditional contributions to knowledge management. As we build a parallel interactive digital information environment, we will continue to maintain our traditional print collections. The evolution to the digital environment has not eliminated the need for library-as-place. On the contrary, there is a growing need for a learning commons where students create their own environment, access information and create information products. The library also provides academic social space where students are increasingly working in collaborative study groups of their own making, to communicate more strongly and often more adventurously with their course work. We are developing the libraries as a welcoming, comfortable, the right third place, bridging the gap between the classroom and home.

These are the best of times for libraries. Our goal is to make the vast array of information resources available, easy to comprehend and navigate. If you are writing a paper, developing a course, or engaging in research, libraries staff offer services that can enhance the quality of your work and save you time. Our commitment is to provide you with information and effective research assistance virtually anywhere and anytime you need them. Our libraries are changing what they are doing, both physically and virtually, to respond to the new ways that students and faculty are working, working, communicating and socializing. But, we are not changing our purpose...providing optimum access to information in support of excellence in the academic enterprise.

Viewpoint

Viewpoint with Carolynne Presser Director of Libraries

“There is a growing need for a learning commons where students create their own environment, access information and create information products.”

Learning environments for these “digital” students. The libraries are able to support learners no matter when or where their information need arises, be it on campus, at home, 2 p.m. or 2 a.m. The availability of electronic resources, chat reference, electronic reserves, over 51 million web requests, reflecting the popularity of published information for the students, faculty and staff of the university. The libraries are changing the way students coming into the university go about learning, thinking, working, communicating and socializing in the digital environment. In just a few short years, user-friendly Web browsers have given everyone a reason and means to connect to the Internet with relative ease. Libraries and universities are adjusting services and facilities to create supportive environments for these “digital” students. The libraries are able to support learners no matter when or where their information need arises, be it on campus, at home, 2 p.m. or 2 a.m. The availability of electronic resources, chat reference, electronic reserves, laptops, wireless communications...among other things made it possible for students and faculty to use libraries and other resources, any time and any place they choose. Gateways to other systems are common. We are able to adapt to changing conditions in a way that we could not have done before. We have to respond to a broad range of needs and preferences. Last year alone the libraries registered over 51 million web requests, reflecting the popularity of our library pages and can take you to literally billions of full-text journal articles and database citations. Most library pages are now wireless, allowing students to use laptops and PDA’s effectively.

Letters Policy

The University of Manitoba Bulletin welcomes letters to the editor from readers about matters related to content in the Bulletin, the university or higher education. Letters must be original and addressed to the editor. Opinions expressed are those of the writer. The Bulletin does not publish anonymous letters. Please include your name, affiliation and phone number. Letters should be submitted to barbourd@ms.umanitoba.ca.

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Marks of Achievement

Earned some recognition or an award? The Bulletin wants to celebrate with you. Please e-mail information about your Marks of Achievement to barbour@ms.umanitoba.ca. Feel free to include a picture of yourself. We’ll need a 200 dpi .jpg image. If you would like to chat about the details or picture, please call 474 8111.

Blatz honoured by engineers

The Canadian Council of Professional Engineers (CCPE) has named James A. Blatz as the recipient of its Young Engineer Achievement Award.

In his citation, the CCPE noted that at only 32 years of age, Blatz, an academic who specializes in geotechnical engineering, has already distinguished himself as an excellent teacher, an increasingly internationally recognized researcher, a capable administrator, a highly regarded consultant and a dedicated contributor to the engineering profession.

Having completed his PhD studies in 2000, at the University of Manitoba, he spent the next year conducting research at the prestigious Geotechnical Engineering Centre as a lecturer and research assistant. Blatz then secured a position with a private engineering firm, and was subsequently awarded a Post-Graduate Fellowship, before returning to Winnipeg to assume a tenure-track position as an assistant professor at the University of Manitoba and start his own consulting company.

Now in only the fifth year of his teaching career, he has already introduced and modified geotechnical engineering undergraduate and graduate courses, published an astounding 40 scientific journal and conference papers – two of which have received national awards – presented in international conferences, attracted more than $600,000 in research funding and has been consistently ranked as an outstanding professor by his students. He has also been awarded for promotion to the rank of associate professor and has been appointed associate head of the Civil Engineering department.

Blatz also serves on a number of provincial and national industry committees.

University Round-up

UNIVERSITY OF TORONTO

A team of scientists, government officials and researchers from eight Canadian universities led by Professor Jiri Tichy of the University of Toronto and Dalhousie University, officially opened the Polar Environment Atmospheric Research Laboratory (PEARL) this summer. Located on Ellesmere Island, 1,100 km from the North Pole on an isolated ridge at an elevation of 610m, PEARL will be used to study ozone, air quality and climate change in Canada’s high Arctic.

The year-round laboratory will help probe the atmosphere above Eureka, forming important new data for studies of the Arctic.

News@UT

UNIVERSITY OF SASKATCHEWAN

The U of S has decided to provide Maclean’s with the information it has already compiled for the magazine’s 2006 survey of Canadian universities, which had their own frustrations with the methodology used by Maclean’s to produce the rankings.

One of the frustrations expressed by all the universities involved in withdrawing from the rankings was that although they did not agree with the methodologists used by Maclean’s, they also did not agree with the methodologists used by their competitors. If the rankings were still on the hook for supplying the data for the rankings – a process that cost each university a considerable amount of money.

If we’re going to do this, we felt should be giving the information to those surveys that give useful feedback and that can actually help the students,” Szathmáry said.

Background on Maclean’s decision

President Eniome Szathmáry discussed with Senate on Monday the details of his personal decision to withdraw from participating in the Maclean’s rankings.

The U of M views on the matter have been reported in the Bulletin previously and are available on the president’s website at umanitoba.ca/admin/president/updates/2006_aug_14.html.

At Senate, Szathmáry noted that the impetus for the withdrawal initially came from the Alberta provincial government. The U of M’s views on the matter have been published on the president’s website at umanitoba.ca/admin/president/updates/2006_aug_14.html.

The COPSE decision means that the university can raise the profile of its music department and attract major soccer events.

BACHELOR OF JAZZ STUDIES

It sounds like a good idea so far. The Council on Post-Secondary Education, the funding agency for Manitoba’s post-secondary institutions, has approved the University of Manitoba statement of intent to establish a bachelor of jazz studies.

The COPSE decision means that the university can develop the full program and submit it to the council for approval. It does not guarantee the program will be approved. COPSE did suggest the university write a letter of support from Brandon University to ensure the bachelor degree would not duplicate music programs offered there.

NEW BURSARY

Senate approved this year’s budget to support the new Aboriginal Undergraduate Student Success Program. The budget is aimed at ensuring Aboriginal students have access to support services to help them succeed in their post-secondary education.

What goes in a University of Manitoba Bulletin?

We welcome letters, event listings, story and photograph ideas. Call 474 8111 or e-mail barbour@ms.umanitoba.ca.
Jaeger leads a search for signs of war

Books
by University Staff

BY DALE BARBOUR
The Barbour

In war, there are two kinds of battles—one between combatants, the other in the hearts and minds of the participants and people watching.

With Signs of War in Literature, Film, and the Media II: Ideologization and De-Ideologization, Stephan Jaeger, German and Slavic studies, and Christer Petersen, University of Cottbus, look at how the staging or representation of war extends far beyond the actual conflict.

“War is always based on ideology,” Jaeger said. “And the portrayal always casts the other side in a negative light.” Signs of War looks at the representations of conflicts ranging from the battles of Alexander the Great to the current conflict in Afghanistan and the War on Terror. There are 11 essays in the book, all of them written in German. More often than not what the writers are seeing is constancy rather than change—there was every bit as much effort to portray one’s own ideas as the right ones in Alexander’s time as there is during the War on Terror. It is only the methods and techniques that have changed.

“You never get a true direct representation of war,” Jaeger said. “Whether you look at the wars of the English Republic in the 17th century or at Iraq what you have is a media representation of the war, so there is always something in between us and the actual event.”

“We weren’t looking to see development over time,” Jaeger added. “We wanted to look at the issue from a variety of different angles and from different disciplines.”

Indeed, Signs of War taps the fields of literary and cultural studies, history, classics and sociology to look at the meaning embedded in everything from literature and film to sculpture and coins.

Jaeger’s own work looks at the air war that took place in Germany during the Second World War. What he finds in print and film coverage is that representations of the air war dance around the notion of calling it good or bad.

“It’s very difficult to narrate the air war,” Jaeger said. “You’ll find that every film maker turns to objectifying it to get out of the moral problem without really achieving it.”

Not everyone plays the game by those rules, of course. Historian Jörg Friedrich’s book The Fire: The Bombing of Germany, 1940-1945 takes an explicit look at the air war and its impact on the collective psyche of the German civilians.

“This book was extremely negatively reviewed outside Germany and it was also highly debated in Germany,” Jaeger said.

Hanno Balz and Tanja Maier looking at the War on Terror consider how women are represented and used to bolster the ideological rationale for the war.

“Women are used to bring into the focus the idea of freedom,” Jaeger said. “You can see how the veil is used in different pictures.”

Photos of Iraqi women wearing a veil, for example casting their vote in the 2005 election, became prominent after the beginning of the Iraq war, after photos of Iraqi women in western clothes were quite common in the relatively secularized pre-war Iraq. The veil was utilized to promote the necessity of liberation according to Western values of how freedom should go.

Typically books of collected essays such as Signs of War are drawn from symposiums. But in this case, Jaeger and Petersen formed a working partnership after Petersen, who was leaving the U of M in 2004 after a two year posting, listened to Jaeger’s opening presentation to the university when he was joining the university.

“I was actually his replacement,” Jaeger said. “He was heading back to Germany.”

But they shared a research interest and jointly put out an international call for research papers on the notion of how war is represented.

While Signs of War probably won’t be translated into English, the concepts behind it are being actively discussed at the University of Manitoba.

Jaeger, Elena Baraban, Russian program, German and Slavic studies, and Adam Muller, English, are leading an effort to hold a symposium next spring.

Bannatyne campus is smoke-free

The University of Manitoba has declared its Bannatyne campus a smoke-free zone.

The policy extends the university’s no-smoking restriction to cover the entire Bannatyne campus—including all buildings, grounds and parking areas.

The policy achieves the university’s goal of fostering a healthy environment and is consistent with a similar policy enacted by the Health Sciences Centre. Signs throughout the Bannatyne campus will alert people to the new policy and ask for their help in making it work.

For information on the Clean Air Procedure see: umanitoba.ca/gov/gov_docs/procedures/cleanair.shtml

For assistance with smoking cessation: umanitoba.ca/admin/human_ressources/ehso/media/bulletinsmoking.pdf

Back on campus!

It looks a little different than the last time they were here. About 30 alumni mingled with current students during a tour of the Fort Garry campus on Friday, Sept. 15. University of Manitoba Alumni Association past president Bruce Miller, at right, played tour guide for the group.
Baines links donors with students

A Day in the Life of a development officer

By Dale Barbour
The Bulletin

Brooke Baines doesn’t have a lot of trouble feeling good about what she does.

A fundraiser in the department of development, Baines’s goal is to do what she can to financially help students.

“My responsibility is first and foremost to increase the number and value of awards that we have at the university,” Baines said. “So my main priority is finding fellowships, scholarships, bursaries and prizes for our students.

On paper that means Baines is looking for donors to the university – but the reality is that it’s usually the donors who are looking for her.

“We receive most of our gifts through word of mouth,” Baines said. “People who have heard about a friend making a tribute in name of a family member, a professor, a colleague, a community leader, or a notable event. Donors will often encourage others to do the same.”

Of course, that doesn’t mean Baines sits on her hands. She’s constantly on the move attending alumni events in Winnipeg and across the country – meeting with people and talking about the university. More often than not those talks are just to update alumni attending the events about their alma mater, but they’re also an opportunity to explain the varied options that are available to people who do wish to donate to the university.

“I like to think of myself as a matchmaker. I match people to their special interests,” Baines said.

The sky really is the limit. People can make one time gifts, they can support an award annually or endow an award, ensuring that it is offered in perpetuity. Scholarships are handed out based on academic achievement and bursaries are typically handed out based on financial need. Similarly, the awards can be targeted at a faculty-wide range of students or towards a specific field.

“We’ve had people say I would like to create a scholarship for the Faculty of Music for a student with an alto soprano singing voice.

“The value of the awards is entirely up to the donors,” Baines added. She’s worked with donors who have given $500 for a one time prize and is currently working with a donor on setting up a $500,000 scholarship fund.

While she does work with every faculty, Baines said much of her work is currently targeted at the faculties of Arts and of Science, which currently offer financial rewards of one form or another to about five and three per cent of their student population respectively.

“We’d like to reward all deserving students,” Baines said. “But our goal for the two faculties is to increase those percentages.”

Baines picked up her own bachelor of arts (geography) from the University of Manitoba. While completing her degree she worked for the student call centre, contacting alumni to update them about what’s happening at the university and to also ask for their support.

From there, she moved up the ranks becoming a supervisor in the call centre, then working on the staff and student campaign during the Building on Strengths capital campaign and finally signing on as a development officer. This background, combined with her current work has given her a chance to see the university from pretty much every angle.

“I like how rewarding the job is,” Baines said. “There’s meaning to what I do and I can see the results everyday. Every gift that help bring in is making a difference in the lives of students. The colleagues I have here are terrific, the morale is high and when I head out on the campus I really feel like I’m a part of it.”

Back to basics in fitness

Getting fit involves more than good intentions and a gym membership. Most people quit going to the gym because they feel they’re doing a lot of work for little or no results. Some people assume they can push weights around and miraculously get in shape or get stronger. They’re using form that will cause injury or is ineffective for their goals. They may even use a weight inappropriate for their strength level.

Properly certified instructors are essential. Every exercise must be physiologically sound. The strength & training professional must be able to explain the value and teach the proper technique for everything they’re asking you to do.

Trained fitness professionals recommend the following for avoiding standard mistakes.

• Don’t rely on friends for exercise advice—it’s a good way to acquire their bad habits.

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The joy of the conference is that it will bring together those various strains of thought. The difficulty for the organizers has been in trying to categorize lectures, many of which could fit easily in several areas or disciplines.

For people at the University of Manitoba the conference represents the perfect opportunity to find out what people are making of Derrida today. Students can register for free.

"It’s a perfect opportunity for our students to go and listen to other people are making of Derrida today. It’s a perfect opportunity to find out what’s going on in many places," McCance said.

The conference will run Oct. 4 to 7 in various locations across campus. For details on the conference check out umanitoba.ca/Mosaic.

TUESDAY, SEPTEMBER 26


Universal Algebra and Lattice Theory, Yet another Huntington Law by R. Padmanabhan, 418 Machray Hall, 2:30 p.m., Tuesday, Sept. 26.

WEDNESDAY, SEPTEMBER 27

Physics and Astronomy, Time-Resolved Spectroscopy of Solid Surfaces Using Femtosecond XUV Light by Guido Saathoff, Joint Institute for Laboratory Astrophysics (JILA), University of Colorado, 330 Allen Building, 5:30 p.m., Friday, Sept. 22.

SATURDAY, SEPTEMBER 23

Humanities, From Fordist to Post-Fordist Fascism: A Gramscian Analysis of the Authoritarian Turn in America by John Sanbonmatsu, assistant professor of philosophy, Worcester Polytechnic Institute, Mass., 409 Tier Building, 10 a.m., Saturday, Sept. 23.

TUESDAY, SEPTEMBER 26

Enzymology, Spatial considerations in the life of a pesticide by Annemieke Farenhorst, soil science, 220 Animal Science/Entomology Building, 10 a.m., Tuesday, Sept. 26.

Virtual Learning Commons Lunch Time Presentation with Peter Tittenberger, Learning Technologies Centre, Carol Strodl, Distance and Online Education, and Miriam Ul’Yanov and Nikol’Skii-Taganov, Joint Institute for Laboratory Astrophysics, 330 Engineering and Information Technology Centre II, 12 p.m., Tuesday, Sept. 26.


Wednesday, A Dozen Copyright Myths by Peter Marzlin, Institute for Quantum Information Science, University of Calgary, 330 Allen Building, 5:30 p.m., Thursday, Sept. 28.

Physicists and Astrologers Colloquium, Slow Light and Colliding Photons by Luke Surace, Quantum Optics and Quantum Information with Light by Karl-Peter Marzlin, Institute for Quantum Information Science, University of Calgary, 330 Allen Building, 5:30 p.m., Friday, Sept. 29.

Events continue on Page 10.
**Bannatyne Campus and St. Boniface Research Centre**

Medical rounds are typically targeted at university staff and professionals directly involved in the medical field.

**FRIDAY, SEPTEMBER 29**

**Pharmacology and Therapeutics, Title TBA by Wayne & pharmacology and therapeutics, Pharmacology Library A229 Chown Building, 9 a.m., Friday, Sept. 29.

**TUESDAY, OCTOBER 3**

**Internal Medicine Grand Rounds, Rheumatoid Arthritis: How does it start? Why doesn’t it stop? by Hani El-Gabalawy, Rheumatology Research Chair, University of Maryland, Immunobiology, department of internal medicine, head - section of rheumatology, director of the Arthritis Centre, Theatre A Basics Medical Sciences Building, linked to NG002 at St. Boniface Hospital, 8 a.m., Tuesday, Oct. 3.

**WEDNESDAY, OCTOBER 4**

**Obstetrics, Gynecology and Reproductive Sciences, Options For Labour Relief by David Campbell, FRSC professor and chairman, department of anesthesia, The University of Saskatchewan, Theatre A Basic Medical Sciences Building, linked to NG002 Nursing Building St. Boniface General Hospital, 201 Thompson General Hospital, Brandon General Hospital, 7:45 a.m., Wednesday, Oct. 4.

**FRIDAY, OCTOBER 6**

**Pharmacology, Embryo Physics: The Key To Regulation Of The Genome? by Richard Gordon, Professor, Department of Radiology Pharmacology Library A229 Chown Building, 9 a.m., Friday, Oct. 6.

**Diabetes Education Resource for Children, Workshop, Children with Type 1 Diabetes in the Classroom, Theatre A Basic Medical Sciences Building, Friday, Oct. 6. Registration fee is $55 and includes a nutrition break and lunch. To register, please call Pat Bobko, DER-CA special projects co-ordinator, at 787 5346. Includes a nutrition break and lunch.

**TUESDAY, OCTOBER 10**

**Samuel Weiner Distinguished Lecturer, RAGE - A Journey from the Complications of Diabetes to its Pathogenesis: A Tale of Novel Insights into Adaptive Immune Mechanisms by Ann Marie Schmidt, Professor & Chief, Surgical Services, Department of Surgery, Columbia University Medical Centre, New York, NY, Samuel N. Cohen Auditorium, St. Boniface Research Centre, 3:30 p.m., 5:30 p.m., Tuesday, Oct. 10.

**Icelandic and Manitoban scholars join forces**

The fifth Partnership Conference of the University of Manitoba and the University of Iceland takes place Sept. 21 to 23. The University of Manitoba and the University of Iceland signed a partnership agreement on November 15, 1999 that provides for an exchange of professors and students, and that will create a series of conferences to examine Iceland-Canada relationships. The fifth of these conferences will be held at the University of Manitoba, Sept. 21 to 23 in the Iceland Reading Room, Third Floor, Elizabeth Dafoe Library. The conference theme this time is Women and Knowledge. The conference is intended to bring together students and professors, and put them in contact with the community in Manitoba that is interested in Iceland. Though the participants in the conference are experts in their fields, the papers have been designed to appeal to a broad community and are not narrowly academic. The conference will, of course, deal with the traditional topics of literature and language, but the conference is a broad based one that will deal with them in the context of history, medicine, law, gender studies and anthropology. The keynote speaker is Carol Clover, professor of film Studies, rhetoric and Scandinavian, University of California, Berkeley.

For further information, 474-8487.
Einarsson gift backs Bison athletes

BY CHRIS ZUK

Bison Sports Information Officer

Theodore David Einarsson has generously gifted $360,000 to the Bison Women’s Volleyball Program, a sum to be matched by the University of Manitoba through the Province of Manitoba, Manitoba Scholarship and Bursary Initiative (MSBI) grant.

The donation will be used to create the T.D. “Davey” Einarsson Bison Women’s Volleyball Endowment Fund and is the single largest individual donation in Bison Sports history. The endowment fund will generate revenue to provide substantial support to women’s volleyball student-athletes in perpetuity.

“Student athletes rally school spirit, and inspire others by their commitment to their sports and by their achievements,” president Emile Szathmary said. She noted the dual challenge to succeed academically and in athletics is difficult to fulfill.

“The financial support that will be provided by the T.D. “Davey” Einarsson Bison Women’s Volleyball Endowment Fund will greatly assist student athletes in meeting these commitments,” Szathmary said.

“Both the generosity and the impact of this gift to the Bison Women’s Volleyball Program on behalf of T.D. “Davey” Einarsson cannot be underestimated,” Bison women’s volleyball head coach Ken Bentley added. “Generation upon generation of tremendously talented young people will benefit from this gift. Their impact on society after graduation, and the lives they touch, will be a fantastic testament to the gift they received through the creation of this endowment fund. This will be one of those gifts that truly keeps on giving.”

Einarsson, an alumnus of the University of Manitoba (BSc 1956), is the youngest of a family of ten children. “Davey” was the only sibling to attend university. He has created this endowment out of respect for his siblings and his parents, and as a result of this donation, each of his siblings and parents will have an individual scholarship named in their honor.

Beginning in 2006, each year, there will be 12 scholarships presented under the T.D. “Davey” Einarsson Bison Women’s Volleyball Endowment Fund. Davey’s parents, Gudmundur & Elin and Davey’s siblings, Guðlaug (Lauga), Kristinn (Stina), Ragnarr (Rex), Haraldur (Harold), Fredrik (Raymond), Elin, Theodore David, (Davey).

On Friday, Nov. 3, the women’s volleyball team plays the Winnipeg Wesmen starting at 6 p.m. at the Investors Group Centre. After the match and prior to the men’s game, there will be the T.D. “Davey” Einarsson Bison Women’s Volleyball Endowment Fund presentation at front court along with a celebration of past Bison CIS championship teams and Bison women’s volleyball alumni.

“A gift to the University of Manitoba, the T.D. “Davey” Einarsson Bison Women’s Volleyball Endowment Fund dinner will take place at the Beausejour Room at the University of Manitoba at 6 p.m. Tickets will be available for $75 per person. Einarsson will be in attendance for events during the two-day celebration.

Honours for Makie, Yestrau

After a record-setting game against the SFU Clan, the Manitoba Bison football team was again recognized with one Canada West Football Accomplishment. Third year quarterback John Makie was named as Canada West Offense Football Athlete of the Week for the week ending Sept. 29.

Makie continued his strong season as he led the Bisons to a convincing 37-7 win over the SFU Clan on Friday, Sept. 8 and improved the team’s record to 2-0.

In week one of the conference football season, Brady Brown and Simon Blaszczak were named Canada West Offense and Special Teams Football Athlete of the Week.

YESTRAU EARN ROLAND MICHENER CANADA GAMES AWARD

Bison Landice Yestrau added another award to her trophy case, as she was the fourth Manitoban to earn the prestigious Roland Michener Canada Games Award.

From the Sport Manitoba press release: The Roland Michener award is presented every two years to two Canada Games athletes, one male and one female, who exhibit the most outstanding strong leadership skills on and off the playing field, combined with an ongoing commitment to scholastic and athletic excellence. While the athlete’s performance at the Canada Games is taken into consideration, the selection committee also looks at other factors such as cooperation, attitude, and effort.

Yestrau swam in nine events at the 2005 Canada Summer Games in Regina last August, where she was also flag bearer for Team Manitoba at the Opening Ceremony.

She made the finals in eight of her events, and won gold medals in both her specialties, the 50m and 100m backstroke, establishing new Canada Games records in both events.

Events Listing

From Page 8

Mathematics, Quadrilateral Mesh Generation by David Gabrielson, 415 Machray Hall, 2:30 p.m., Friday, Sept. 29.

TUESDAY, OCTOBER 3

Entomology, Floral advertising and reproductive investment in animal-pollinated plants by Anne Worley, botany 228 Animal Science Entomology Building, 10 a.m., Tuesday, Oct. 3.

Universal Algebra and Lattice Theory, A new modular implication by R. Keselman, chair, psychology search committee, department of psychology, University of Manitoba, 675 McDermot Ave., Winnipeg, MB R3T 5V5, e-mail smai@cc.umanitoba.ca.

HISTORICAL LECTURES

THE UNIVERSITY OF MANITOBA: A UNIQUE ENVIRONMENT FOR EXCELLENCE

Position: Assistant professor in the area of solid mechanics

Start date: July 1, 2007

Salary: Commensurate with qualifications and experience

Application deadline: Jan. 1, 2007

FOR INFORMATION: Dr. Walter Good, head, department of mechanical and manufacturing engineering, University of Manitoba, Winnipeg, MB R3T 5V6, e-mail wgood@ms.umanitoba.ca.

FACULTY OF ENGINEERING

Department of Mechanical and Manufacturing Engineering

Position: Assistant professor in the area of solid mechanics

Start date: July 1, 2007

Salary: Commensurate with qualifications and experience

Application deadline: Jan. 1, 2007

FOR INFORMATION: Professor D. Kuhn, chair of the search committee, department of mechanical and manufacturing engineering, University of Manitoba, Winnipeg, MB R3T 5V6, e-mail dkuhn@cc.umanitoba.ca to the attention of Prof. D. Kuhn.

Department of Mechanical and Manufacturing Engineering

Position: Assistant professor in one or more of the following fields: heat and mass transfer, computational fluid flow, MEMS, emerging alternative energy applications, and turbulence modelling/DNS

Start date: July 1, 2007

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Application deadline: Jan. 1, 2007

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FACULTY OF ARTS

Department of Political Studies

Position: Assistant professor in Canadian politics

Start date: July 1, 2007

Salary: Commensurate with qualifications and experience

Application deadline: Oct. 21

FOR INFORMATION: Professor D. Kuhn, chair of the search committee, department of political studies, University of Manitoba, Winnipeg, MB R3T 5Y5, e-mail ggood@ms.umanitoba.ca.

FACULTY OF ENGINEERING

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Position: Assistant professor in the area of solid mechanics

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Heart researcher to get national award

BY FRANK NOLAN
Research Promotion Officer

Heart researcher Michael Czubryt has been named as the recipient of the 2006 Young Investigator Award from the Canadian Cardiovascular Society. Each year, one award is given to an outstanding cardiovascular researcher who has been working at a Canadian university or hospital for less than three years.

He will receive his award during the Canadian Cardiovascular Congress being held in Vancouver from October 21 to 25.

Czubryt, physiology, works in the Institute of Cardiovascular Sciences located at the St. Boniface General Hospital Research Centre. His lab works with transcription factors – proteins that activate or repress genes. A major part of his research is focused on a particular family of transcription factors called MEF2.

“MEF2 is focused on heart muscle, and we’re very interested in the role that MEF2 plays in hypertrophy, or enlargement of the heart. We’re looking at the kind of hypertrophy, when the heart grows as a result of exercise, as well as hypertrophy due to pathologic factors, like high blood pressure and heart attack,” Czubryt said.

Czubryt’s team is working to identify the genes that are regulated by MEF2, as well as how it is regulated itself, and what other transcription factors it interacts with in heart muscle cells. They already know that MEF2 controls the proteins that cause heart muscle cells to contract, and that it regulates some of the important processes involved in energy production and energy usage in the cell.

“Our central theory is that MEF2 may provide a mechanism for the growing heart to up-regulate both the proteins that do the work in the cell and the proteins that provide the energy to do that work,” Czubryt said. “We’re trying to figure out if the function of MEF2 changes from development to diseases like hypertrophy and heart failure.”

Czubryt’s lab employs the latest transgenic mouse model technology, as well as an advanced microarray system that allows researchers to simultaneously examine thousands of genes to determine if they have been turned on or off by specific treatments.

“It was very fortunate to receive funding from the Canada Foundation for Innovation to purchase some key equipment, including the microarray system,” he said. “Microarrays can be a goldmine for generating ideas, because they allow us to look at large sets of data, and depending on how we look at them, striking things can jump out.”

Czubryt said the ultimate goal of his research is to create a better understanding of how energy metabolism is controlled in heart muscle cells, both in health and disease.

“We really need to understand how this works, and why diseases occur the way they do,” he said. “Why do some people who develop hypertrophy go on to develop failing hearts, while others live out their days relatively normally? We don’t know that, and it’s something I’m very interested in learning.”

Michael Czubryt, physiology, will be presented with the Canadian Cardiovascular Society 2006 Young Investigator Award during the Canadian Cardiovascular Congress next month in Vancouver.

Physicists charged-up about DNA

BY FRANK NOLAN
Research Promotion Officer

A team of theoretical physicists at the University of Manitoba has developed a new model for how an electrical charge travels through DNA. Their research was published earlier this month in Physical Review Letters, the journal of the American Physical Society.

The team’s leader is physicist Tapash Chakraborty, Canada Research Chair in nanoscale physics. He said scientists have been wrestling with the problem of charge migration in DNA since the double helix was discovered more than half a century ago.

“DNA is a fascinating and very intelligent molecule,” he said. “It can self assemble, and with the recent developments in nanotechnology, there is a great deal of interest in its potential use as a molecular wire.”

Researchers around the world have conducted a wide range of studies on the conductive properties of DNA. Some have found it to be highly metallic, while others found the molecule behaved like a semi-conductor.

“The results depend on whether the DNA is wet or dry, or whether it’s a single strand or a rope, so it can be very complicated,” Chakraborty said.

Previous research has shown that of the four bases that make up DNA – adenine, thymine, guanine and cytosine – guanine has the lowest ionization potential, meaning it’s easier to knock an electron off guanine. When this is done, a positively-charged guanine “hole” will move along the DNA strand until it reaches a “trap” made up of two or three non-charged guanines in a row. The other DNA bases act as barriers to this movement, but the hole can pass through them thanks to a quantum mechanical process called “tunneling.”

Earlier models suggested that when the hole encounters several barriers, it stops tunneling through them and begins to hop along the DNA strand. Unfortunately, this theory didn’t explain some of the experimental results. Chakraborty’s team suggested that since DNA is a double helix, the charge would more likely move over to the other strand and keep going.

“We said the charge could either move along the same strand or it can cross over to the other one, which we think is a more natural model,” Chakraborty said. “We call it a ‘multi-channel tunneling’ model, in which the charge can tunnel all the way through to the trap, taking the path it finds easiest, and that could mean crossing over to the other strand.”

Knowing whether DNA will conduct a charge is of more than just academic interest. Understanding exactly how a charge travels through DNA is very important to rapidly growing fields like nanotechnology, and it also has significant implications for medical research, particularly in understanding the process of DNA damage.

“It is well known that aging, many types of human cancer, and several degenerative neurological diseases are caused by mutations that happen when this DNA base, guanine, is oxidized,” Chakraborty said. “It’s very important to understand how this oxidative damage happens, and what physicists and chemists are doing, in the process of understanding how charges propagate, is describing the electronic properties of these mutational hotspots.”
U of M engineers take a shot at poverty

By Michael Marshall

For The Bulletin

Aiming to “launch poverty into history,” the University of Manitoba chapter of Engineers Without Borders fired a home-built, nine-foot catapult on the quadrangle on Sept. 13.

The event was part of a Canada-wide effort by Engineers Without Borders to raise awareness about Bill C-293, a bill that if adopted will place poverty reduction at the heart of Canadian aid policy.

To illustrate their point, the enterprising engineering students erected a ‘poverty’ sign – complete with bull’s-eye – at one end of the quad and used the catapult to launch an appropriately named stuffed figure at the sign.

“His name is ‘Bill’, after Bill C-293,” said Jane Polak Scowcroft, the co-president of the U of M chapter of Engineers Without Borders and co-organizer of the event.

Although firing the medieval war machine, known as a trebuchet, was enjoyable for the engineering students participating and for the dozens of curious onlookers who gathered on the quad, their message was more serious.

“This is Canada’s opportunity to do something important about poverty,” said Polak Scowcroft about Bill C-293, the Development Assistance Accountability Act. “It will make Canada’s development assistance more effective by targeting people who really need it.”

And Polak Scowcroft knows a thing or two about poverty in developing countries. The fourth-year engineering student just returned from Tanzania where she lived and worked as a member of Engineers Without Borders.

“It was tough, a lot of hard work,” she said. “I was in a remote location, living in a hut. I was there for four months, but I didn’t get to visit any of the big game parks or Kilimanjaro.”

In addition to the “launch poverty into history” event, members of the University of Manitoba chapter of Engineers Without Borders will also be meeting with local MPs to drum up support for Bill C-293.

If passed, the bill will help ensure that poverty reduction is placed at the centre of Canadian aid policy. Under the bill, all Canadian development assistance must: contribute to poverty reduction; take into account the perspectives of the poor; and be consistent with Canada’s international human rights obligations.

For more information on C-293, check out playyourpart.ca/pages/issues.

For more information on the University of Manitoba chapter of Engineers Without Borders and their upcoming events, go to their website atumanitoba.ewb.ca.