Two University of Manitoba projects have been awarded nearly $2 million in new funding from the Canadian International Development Agency (CIDA).

One project is focused on developing sustainable community-based tourism programs in Uganda, while the other is aimed at improving agricultural pest management practices in Central America.

Both projects will last for six years, and each will receive CIDA funding of close to $1 million.

“CIDA awarded only ten grants across the country for this particular competition, and the fact that two of these grants were awarded to faculty members at the University of Manitoba says a great deal about the quality of their work,” said Robert Kerr, vice-president (academic) and provost at the University of Manitoba.

“Over the next six years, these professors will be sharing their expertise with their colleagues in Uganda and Central America and establishing education and training programs that will greatly benefit communities throughout these regions.”

The first project, led by Michael Campbell, Physical Education and Recreation Studies, is aimed at helping communities in Uganda build sustainable tourism programs. Uganda is an increasingly popular tourist destination, thanks to its diverse culture, world famous mountain gorillas, and over 1000 species of exotic birds. The new project will help communities surrounding Uganda’s national parks benefit from the growing numbers of tourists passing through these areas while also encouraging local people to protect park resources.

Campbell’s team includes Kelly MacKay from the Faculty of Physical Education and Recreation Studies, and David Walker, Lesley King and Merlin Shoesmith from the Clayton H. Riddell Faculty of Environment, Earth, and Resources.

As part of the project, the team will develop a new master’s program at Makerere University in Kampala focused on sustainable community tourism and biodiversity conservation.

See CIDA/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.

Norma Carswell feature

2007 first quarter issue

The Parker

Norma Carswell, manager of the university’s parking and shuttle services department, was featured in the most recent issue of The Parker, a bilingual quarterly magazine published by the Canadian Parking Association. A long-time member of the CPA, Carswell started her career as part of a two-member team in 1982. She now manages a team of 17 and oversees more than 7,000 parking spaces, a much larger department that includes a conglomerate of parking-related divisions, has coordinated parkade projects, spearheaded overhauls, implemented new computerized systems, and coordinated a merge with the university’s shuttle bus services.

Provincial Budget guru

Week of April 2

Paul Thomas was heavily quoted in the news in anticipation and for comment on the release of the 2007 provincial budget. The political scientist provided media with insights on everything from middle income tax breaks to proposed election call strategies.

Provincial Election guru

Since April 20


Functional Foods

April 10

The Globe and Mail

The Richardson Centre for Functional Foods and Nutraceuticals and its director, Peter Jones, were the focus of a large story in The Globe and Mail on the research centre’s work on healthful food compounds.

Correction

The Senate Brief in the April 19 edition contained a rather significant proportion. In fact, the University of Manitoba is expecting its fundraising efforts to be up $1 million over last year, rather than the $1 suggested in the article. I regret any confusion that might have been created by my mistake.

Dale Barbour

CIDA funds U of M projects

From Page 1.

"The master’s program will provide trained personnel who can help the communities develop effective and sustainable tourism proposals specific to their local areas," Campbell said. "It will also create a learning institution that can adapt to the changing tourism market." The team will develop sustainable tourism demonstration projects in communities bordering protected areas in western Uganda, by building strategic partnerships between rural communities, the university, government departments, NGOs and other organizations.

The second project, led by Annemieke Farenhorst from the Department of Soil Science, will help develop safer pest management practices and indicators of pesticide impact in Central America. The project has three major components: community development, technical development and policy development.

Looking beyond indicators of the environmental risks associated with pesticide use, including the risk of water contamination," Farenhorst said. "These indicators could be used by governments to identify where the areas of concern are, so that they can implement beneficial management practices, including new training for agricultural workers."

Farenhorst’s team includes fellow soil scientist David Lobley, and Laura Sinnet from the Natural Resources Institute at the University of Manitoba. There are also nine team members from universities in Costa Rica, Honduras and Nicaragua, and the team will work with the ministries of agriculture in those countries. The team will work directly with farmers in local communities to develop safer practices for handling, applying and storing pesticides.

The project will also establish new training programs at the participating universities focused on advanced analytical techniques, and workshops that will bring in experts from around the world to describe new developments in pest management and how they might be applied in countries throughout Central America.

Working with refugee students

BY KAREN CHRISTIUK
For The Bulletin

Not every teenager can tell their friends that they take classes at the University of Manitoba, but that’s just the case for 15 local Grade 11 students who have been tutored by Faculty of Education professors every Saturday since September due to a unique initiative by the University of Manitoba community outreach program.

“We’re trying to improve the access to higher education for under-represented groups by building on the one hand at an earlier age,” says professor Tutu Kanu, who is the program organizer. “Several professors in the department of curriculum, teaching and learning, and some community teachers, volunteer their time every Saturday for three hours and tutor and mentor the students in English, social studies, math and science. All of the students in the program are from under-represented groups, including African refugee students. They were recruited to participate in the program through their schools, teachers and parents.

For nearly half a century, educators have known that social class – particularly income and race – can have a huge effect on school learning. While skin colour and low income themselves do not influence academic achievement per se, the collection of conditions and characteristics which define social class differences can inevitably influence academic achievement, resulting in minimal access to higher education among underrepresented groups.

Kanu says she’s pleased with the early success of the program.

“Although it’s a very experimental pilot project, we’re already very delighted with how the program is running,” said Kanu.

“Our program attendance is quite good and the students appear to enjoy the novelty of attending classes at the University of Manitoba. We currently have funding to run the program for two years, with the same students attending next year when they are in Grade 12. Our real success will hopefully come in a few years, when the students in our program decide to enrol in a college or university."

Ralph Mason, one of the education math professors who volunteers in the program, also finds it to be a very rewarding experience.

“I especially appreciate the diversity in their orientations and backgrounds in relation to the math they are learning, and their gracious willingness to engage in mathematical activity that isn’t necessarily what they are used to.”

Other professors from the department of curriculum, teaching and learning who frequently volunteer in the program include: Thomas Fulkerson, Brian Lewthwaite, Barbara McMillan and Clea Schmidt. High school teacher Marnie Hocken is also a program volunteer.

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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.

The Bulletin welcomes submissions from members of the university community. Submissions can include letters to the editor, columns, news briefs and story and photo suggestions.

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What can we learn from Bangladesh?

Students will learn how non-governmental agencies work

BY DALE BARBOUR
The Bulletin

Three University of Manitoba students are heading to Bangladesh this month to learn how a non-governmental agency carries out its work.

Lyndsay Hersikorn, Social Work, Caroline Christie, Engineering, and Lawrence Kei, Science, will arrive in Dhaka on May 8 and return to Canada June 14 as part of the student and housing life sponsored Bangladesh Study Service Tour. They’ll spend fifty week working with the Rangpur Dinajpur Rural Service, a local non-governmental agency dedicated to empowering the rural poor in northern Bangladesh.

“We call it service learning. It takes volunteeringism to the next level,” student and housing life program coordinator Meghan Laube said. “There’s also a reflective part of the program both during and after the tour. We want the students to think about what they’re doing, so keeping a blog during the trip is definitely part of the program.”

You’ll be able to track the student’s experiences by tuning into umanitoba.ca student blogs.

The students were selected both by academic performance and by showing they had a background of volunteer service and community involvement.

While in Bangladesh they’ll be engaged in a range of activities, from seeing how micro credit financing helps the poor, to viewing an aquaculture project, to spending time in an eye clinic.

The level of engagement the students will have with different projects will vary. Typically, housing and student life director Joe Danis said, they’ll be asked to step back to observe and learn from what’s happening.

“There are cultural issues around foreigner being actively engaged in community development projects,” Danis said. “So the students won’t usually be picking up a shovel and working beside Bengalis on a project for a week.

But there will be chances to share what they’re learning at the University of Manitoba. Hersikorn, for example, will talk about the Canadian concept of social work along with learning about social work programs in Bangladesh. “We’ll be drafting a report on how it goes on in Bangladesh,” Hersikorn said. “I expect I’ll be challenged by the cultural differences and the differences in ways people of different genders are treated.”

Bangladesh is both one of the poorest and most populous nations on the globe. Currently social welfare programs are limited with people more often calling on the extended family than on the welfare state. So even that is something Hersikorn can learn from, and she’s curious to see what the country’s plans and goals are for the future. And hopefully, she can learn a thing or two about where Canada should go in the future.

“There is a lot to be learned about what we can do as a country by seeing other areas work through their own problems, because we do have problems we struggle with here,” Hersikorn said.

The University of Manitoba has already forged a relationship with the Rangpur Dinajpur Rural Service through fundraising projects and Danis has been invited to Bangladesh to see their work first hand. But this will be the first time students will be spending more than forty days over there. One of the unique parts of the trip is that it was targeted at undergraduate students.

While graduate students are often globe trotting to expand their research, Danis said undergrads don’t always get the same opportunity.

Committee helps researchers stay safe

BY DALE BARBOUR
The Bulletin

Radiation is one of those weighted words. In the public’s eye, it’s linked to the nuclear energy sector at best or seen as something dangerous at worst. But to 400 researchers at the University of Manitoba, radioactive material is considered a standard tool for conducting research. Radioactive material is permitted to be used as radioactive chemicals or as sealed sources of ionizing radiation at locations on both the Bannatyne and Fort Garry campuses.

Most often radioactive material is used in trace amounts in solutions of less than one milliliter. In other research, radioactive material may be used in shielded equipment to produce ionizing radiation such as x-rays. How the different research samples react with the radiation can be used to determine characteristics of the material or, in the health field, the radioactive chemicals can be used to determine everything from hormone levels to the presence of cancer.

Helping ensure the material is used properly is the responsibility of the University of Manitoba’s radiation safety committee, now entering its 50th year.

“The level of radioactive material used here is much less than the amounts used in the clinical sector,” committee chair Jim Davie said. His own research, as director, of the Manitoba Institute of Cell Biology, uses the radioactive isotope phosphorus-32 to help determine the difference between normal cells and cancer cells.

But like any tool, the radioactive materials the university does work with have to be used properly and it’s the job of the radiation safety committee to ensure that research is appropriately controlled by the university environmental health and safety office radiation safety program.

“We really work with the stakeholders to facilitate the process of research work with radioactive material and ensure they are compliant,” Davie said. The committee draws from faculty and support staff and works with 2.5 full time positions in the university’s environmental health and safety office that are dedicated to looking
Awards nominations show staff’s talent

The awards of Excellence selection committee have their work cut out for them in choosing from strong nominations for the 2007 Awards of Excellence. This is the second year that the university has invited the public in the nomination of support staff with four separate awards – the President’s, Service, Leadership, and Team Awards.

Nominations for the prestigious President’s Award recognize outstanding contributions throughout a career at the U of M. Individuals whose excellence has earned them consideration for this Award include: Irene Hamel, dean’s office, Faculty of Engineering Mary Hill, dean’s office, Faculty of Medicine Dallas Legare, department of pharmacology & therapeutics

Janis McGonigle, Health, Leisure & Human Performance Research Institute

Juliette Nadeau, collections management, Libraries Lewis St. George Stubbs, archives & special collections, Libraries

Brian Rivers, physical plant

Terry Thorlakson, office of the vice-president (research)

The Service Award celebrates support staff members who have exhibited a high level of initiative, dedication and cooperation in their service to students, faculty, staff, and the general public. This award category received the largest number of nominations, some of whom are:

Martha Blous, department of plant science

Rob Ellis, department of education

Barb Finkelstein, department of soil science

Terri Garner, department of animal science

Louise Graham, Faculty of Education

Lawrence Grimshire, central zone caretaking

Marianne Harmish, department of English

Kirk Marat, department of chemistry

Margaret Smith, department of statistics

Patti Tait, department of business administration

Maria Tepper, Faculty of Law

The Leadership Award celebrates individuals who have led their teams in achieving exceptional results and maintaining positive morale. Some of the individuals whose leadership has been recognized with a nomination are:

Dan Hiebert, administrative systems, information services & technology

Marvin Kocay, administrative systems, information services & technology

Nancy Klos, office of research services

Gordon Pasietska, financial services

Gennaro Pellegrino, computers on campus

The Leadership Award recognizes outstanding contributions to an undergraduate experience that is worth having – what we would have had, if we were students.

Considering the university experience

Administrators can draw lessons from their time as students

The theme of the spring meeting of the Association of Universities and Colleges of Canada (AUCC) was enrollment and engagement of students as drivers of change. We were treated to a thoughtful lecture on the need to re-energize undergraduate education, and three “executive heads” then discussed their own campus experiences in this regard. It was clear that my colleagues have been struggling with the same issues as I, and some have made great strides in tackling their problems. Nevertheless, my note-taking at such sessions records only those phrases that seem particularly germane to this conference: there was no exception. I noted that, “in the new narrative of student satisfaction, the university’s mission is not to make students happy”; and further that, “the university culture of academic administrative leaders consists of a tolerance of an indifferent approach to students.”

In my view, both statements are true. Thus, I was quite keen on the roundtable discussion I joined the following morning to discuss tools that measure the quality of the undergraduate student experience, and could be used subsequently to assess changes from a baseline. The National Survey of Student Engagement (NSSE) is one of these instruments, and the University of Manitoba participated in NSSE in the 2006-07 academic year. Though I do not as yet know its findings, I do not expect the outcome to be great, given the generally sobering findings that emerge at large research universities like ours and on commuter campuses. I went to the roundtable, then, not to hear more tools to serve as a barometer of student satisfaction, these exist. I went because I wanted to know what my fellow presidents, rectors and principals thought about the nature of the undergraduate student experience. Does it matter, and if it does, what is it meant to accomplish?

The fact is, the vast majority of university graduates in Canada and the United States report that they are satisfied or very satisfied with their undergraduate student experience. University of Manitoba grads are no exception. 93 per cent of our alumni contacted by Maclean’s magazine in 2004 believed their experience was good overall – indeed, 55 per cent thought it was “very good.” Unfortunately, this tends to be the retrospective view, and in general those undergoing the student experience tend to be less generous in their assessments. Some academic administrators become obsessed with the pragmatic reasons: they are concerned about the quality of teaching and learning; they worry about institutional reputation and its impact on future student enrollments; some become apprehensive about the social climate, especially the impact on government funding of negative views about their institutions.

This said, I was fascinated to find that some of my peers around the roundtable questioned whether one could really equate the degree of “student engagement” with any measure of learning. Some observed that when they were students their approach to their studies was solitary – studying late at night in the solitude of their rooms. They also recalled an image of the classroom: “It was a wake-up call,” he said. Some opined that it was dangerous to fall in love – to him it was becoming a sitting duck to another. I remember that remark years back when opening oneself to learning – the full slate of formal and informal learning in university – is a little like becoming a sitting duck to others. I wasn’t the only idealistic young person who entered university intellectually hungry and full of longing for an experience of life that gave it meaning, or explained it as I imagined life should be. Some of us have carried those unspoken expectations to the peak of our qualifications, as we have to the peak of our ambitions. As Peterson once expressed them, gave way to the reality of coping with university life in its myriad imperfections, irritations, and its frank disappointments. Many of us at the roundtable felt silent as we remembered the days when we were young, and what we hoped our students would experience. What students expect today for effective learning differs from the tools and approaches of my generation, but the fact remains that their core expectations of a university are little different from what they were in 1968. Peterson once expressed them, gave way to the reality of coping with university life in its myriad imperfections, irritations, and its frank disappointments. Many of us at the roundtable felt silent as we remembered the days when we were young, and what we hoped our students would experience. What students expect today for effective learning differs from the tools and approaches of my generation, but the fact remains that their core expectations of a university are little different from what they were in 1968.

President’s Perspective

by Emőke Szathmáry

One president remarked that he realized only when he had his terminal degree in hand that the professor who had the most important influence on him as an undergraduate also gave him a D in his subject. “It was a wake-up call,” he said.

I think everyone in the room identified with such comments – so much so that one wag suggested presidents were dysfunctional social misfits in their undergraduate students days. Sometimes I wonder what that is what is required to open up floodgates of memory, and draw associations between what the literature says about learning and student engagement, and what I observed from the back of the classroom. The same conversation was also filled with interaction and challenges posed by our instructors and fellow students.

Considering the university experience – is a little like becoming a sitting duck to another. I remember that remark years back when opening oneself to learning – the full slate of formal and informal learning in university – is a little like becoming a sitting duck to others. I wasn’t the only idealistic young person who entered university intellectually hungry and full of longing for an experience of life that gave it meaning, or explained it as I imagined life should be. Some of us have carried those unspoken expectations to the peak of our qualifications, as we have to the peak of our ambitions. As Peterson once expressed them, gave way to the reality of coping with university life in its myriad imperfections, irritations, and its frank disappointments. Many of us at the roundtable felt silent as we remembered the days when we were young, and what we hoped our students would experience. What students expect today for effective learning differs from the tools and approaches of my generation, but the fact remains that their core expectations of a university are little different from what they were in 1968.

The Leadership, Service, and Team Awards will be presented at a reception in late May. The President’s Award will be presented at the June convocation. For more information call Mark O’Riley at 474-9124 or go to the LDS website, recognition programs.

Clinic Administration Team, clinical support services, Faculty of Dentistry

Congratulations to all the nominees; your work is appreciated. From the close to 2400 support staff members in the university’s community, your colleagues have chosen to nominate you, for your outstanding contributions. Congratulations as well to the nominators and supporters for highlighting this excellence in our community.

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The Pharmacological Society of Canada presented the Senior Investigator Award to Daniel Sitar at this year’s meeting of the Western Pharmacological Society in Banff, Alberta. On March 7, he presented an award lecture entitled “Advances in drug disposition - Pan seulement pate du foie.” In addition, he co-chaired a symposium on March 8 entitled “Cardiovascular diseases in the aging patient” and made one of the formal presentations entitled “Aging issues in drug disposition and efficacy.”

Sitar is currently professor of clinical pharmacology and therapeutics at the University of Manitoba. Other concurrent academic appointments include professor of internal medicine (clinical pharmacology section), professor of paediatrics and child health, professor of pharmacy, and research affiliate at the Centre on Aging.

Sitar was recipient of the K. M. Patsky Young Investigator Award and subsequently the Senior Investigator Award from the Canadian Society for Clinical Pharmacology. He has received the Senior Scientist Award from the Manitoba Chapter of Sigma Xi. Research accomplishments in geriatric pharmacology have been recognized by Fellowship in the Gerontological Society of America (Clinical Medicine Section). Major contributions to pharmacology have also been recognized by fellowship in the American College of Clinical Pharmacology. Most recently, Sitar’s original work on phase two drug metabolism pathways received attention in the United States and Canada in the pursuit of commercialization of this finding in the diagnosis and treatment of various diseases, including cancer, in partnership with BioMark Technologies Inc.

Marks of Achievement

Earned some recognition or an award? The Bulletin would like to give credit where it is due. Please e-mail information about your Marks of Achievement to barboard@umanitoba.ca. Feel free to include a picture of yourself or a jpeg file 200 dpi or less. If you would like to chat about the details or picture, please call 474-8111.

Sitar receives Senior Investigator Award

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A Spanish look at U of M

Sala compares Barcelona to Manitoba

You can learn a lot from the University of Manitoba. But for Carina Sala, a student advisor with the University of Barcelona, her goal is to learn how the university works, rather than what it teaches.

"It has been really interesting for me to see how things are done in Canada," Sala said. "Despite the differences between both universities, you can see there is a link there, which is the student, even when the ways of approaching him/her differs somewhat."

The University of Barcelona promotes international experience among its students, faculty and staff by supporting exchanges with universities around the world. Sala spent the month of April in Winnipeg to get a feel for how the U of M operates. She’s been working with Lynn Smith, executive director of student services, to learn how the university works with students and has also had the chance to work within many student affairs offices and faculties and units across the university.

Sala picked the U of M to get a Canadian twist on things and because she felt the large medical-doctoral university covered a lot of the same territory as the University of Barcelona when it comes to the U of M in the main university in the province (a point of reference for the students in the province of Manitoba).

"While both of these universities have a similar job as the University of Barcelona, the structure and the way of approaching this work job may differ in some units. This is more evident in the faculties where there are specialized positions and personnel to assist students."

"It reminds me of the University of Barcelona when it is built, the administrative structures were quite simple. We started out simple, but then became more complicated," Sala said. The University of Barcelona was founded in 1450, and serves over 80,000 students.

"I see it as if the boundaries between programs are more defined at the U of M in postgraduate studies than the University of Barcelona. However, I think your four-year degree is quite specialized, like ours," Sala said. "In Canada, in the studies start from the general to the specialty. I mean, the students can adjust their own curricular itinerary at the beginning or during their studies, have more options to chose, can get a major in a different study area, do more mixed studies, etc. Generally, the programs are more and more specialized, whereas in Barcelona, studies are very specialized from the very beginning as the curriculum of a program is more fixed," Sala said.

"You can see every faculty has its own features and signs of identity, even while being part of the same university, something, I guess, that also happens at the University of Manitoba."

On the flip side, Sala said the central government takes a closer hand in directing the field of study in Spain, as compared to the situation in Canada, where the universities have more independence to focus their areas of study.

"But unlike you, the undergraduate studies are more fixed in Spain, in the sense that it may be difficult to transfer from one degree to another, because degrees are so different and not many have programs in common," Sala said. But between universities programs tend to be similar, since there is a common public regulation and policy. In the future, she expects, universities will have more autonomy to create their own degrees in the future.

Sala said one of the joys of the exchange has been how open people have been with her. "I didn’t imagine there would be so many people willing to collaborate and to offer their knowledge," Sala said.

"There has been a great deal of transparency in the way they explain things. If you come to learn, they will give you a chance. It’s been a very good experience."

Keep your bike secure on campus

Spring is here, and the warm weather marks the beginning of bike season once again. Cycling to and from campus is a great way to get some exercise and enjoy summer. Unfortunately, bicycles are always an attractive target for criminals. And if the bike isn’t locked up properly, or it’s locked up with an inexpensive, lightweight chain or cable lock it becomes that much easier a target for thieves.

Security services works proactively to prevent and reduce the number of thefts on campus. The bike patrol unit, which consists of eight special constables, is one of our most successful tools in combatting bicycle thefts. The bike unit, operating in the Fort Garry campus from the beginning of bike season once again. Cycling to and from campus is a great way to get some exercise and enjoy summer. Unfortunately, bicycles are always an attractive target for criminals. And if the bike isn’t locked up properly, or it’s locked up with an inexpensive, lightweight chain or cable lock it becomes that much easier a target for thieves.

Security services works proactively to prevent and reduce the number of thefts on campus. The bike patrol unit, which consists of eight special constables, is one of our most successful tools in combatting bicycle thefts. The bike unit, operating in the Fort Garry campus from April through October, is able to patrol the walkways and other areas not accessible to vehicular traffic where many of the bike racks are located. Though security services patrols the campus 24/7, it is only one piece to the puzzle of crime prevention.

Security services depends on the campus community for assistance with traffic issues, student parking, and visitors to the U of M play an essential role in preventing crime. Please report any damage, theft, suspicious persons or criminal activity to our dispatch immediately. Security services can be reached by calling 474-9312, or #555 from any BTS or Roger’s cell phones. Other ways to contact security services include the red phones situated in various locations within buildings or code blue stations located outside throughout the campus.

In 2006, security services received 10 reports of stolen bikes compared to 35 in 2005. In almost all cases, the chain or cable locks used to secure these bikes, were cut and the thief simply rode away on a newly acquired bike.

Some Dos and Don’ts to keep in mind when securing and protecting your bike at the U of M:

• DO Invest in a good quality, well made U-Lock from a reputable brand.
• DO Use proper locking technique; secure both the frame and one of the wheels to any one of the U of M’s bike racks.
• DO take a photo of your bike, and write the serial # on the back of the picture. This information will be helpful in recovering your stolen bike.
• DO report suspicious activity to security services
• DO log on to the following website to register your bike: www.winnipeg.ca/cms/license.bicycle. xtm?number1
• DON’T use cable or chain to secure your bike, as they tend to be the target of thieves.
• DON’T secure your bike to sign posts, or trees as these can be cut and posts may be lifted from the ground.
• DON’T secure your bike to any stair rails, accessible ramp rails, or any other area which may obstruct or hinder access for others entering or exiting buildings.

Security services, with the support of our campus community, will work diligently to make the University of Manitoba an unattractive target for thieves.
Bridgman delivers *Amber Ambrosia*

**Books**

by University Staff

BY DALE BARBOUR

The Bulletin

Rae Bridgman has returned to the hidden city of MiddleGate.

The city planning professor and associate dean (research) with the Faculty of Architecture has just released *Amber Ambrosia*, a follow up to *The Serpent’s Spell*. This time the two young protagonists Wil Wychwood and Sophie Isidor are trying to discover why MiddleGate’s honeybees are falling sick. Along the way, they find themselves transported into the Great Nest and get a bee’s eye view of the world.

Bridgman said it was a pleasure to pick up the series where she left off in *The Serpent’s Spell* – with the Serpent’s Chain, a secret magical society, showing signs that it was about to return. Of course, in her own mind, she’s never really left MiddleGate, a magical realm, that’s accessed through a hidden gateway in Winnipeg’s exchange district.

“Wil, Sophie and the others really have become living people in my mind,” Bridgman said. “They inspire me. I’m a structured writer and I like to plot everything out in detail but there are times when a character will do something I didn’t anticipate.”

True to the fantasy genre, Bridgman’s characters dabble in magic, solve mysteries while still fretting about getting their chores done around the house. In the case of Wil and Sophie, the list of activities includes taking in a Dragonfly festival – complete with a gourmet meal of insects – and trying a sample of buckwheat honey.

“I really write in the nooks and crannies of the day, finding time in the early morning, and dreaming on the bus,” Bridgman said. “These books are so much fun. They reach out to kids in a different way and they’re finding time in the moments of free time between work and family.”

“Life is going on here, but life is also going on in MiddleGate. It becomes that real for me,” Bridgman said. “But then, that’s the challenge for an author, you have to bring the characters to life for others to enjoy.”

Bridgman wrote and illustrated *Amber Ambrosia* during a nine-month sabbatical from the U of M. Research for the university took centre stage during the sabbatical as she spent time documenting MiddleGate’s unique housing project in Toronto. Detailing the hidden city of MiddleGate was a pleasure snatched in the moments of free time between work and family.

“I’ve plotted out nine books,” Bridgman said. “So far, my writing isn’t tied down to a deadline for when the next books need to be done,” Bridgman said. “So far, Great Plains seems to be pleased with the series. And the French language rights for the first book have been sold, so I’m looking forward to reading *The Serpent’s Spell* en français!”

Bridgman has already written and illustrated the third book in the series and she does have a vision of where she wants to take the MiddleGate story arc.

“I’ve plotted out nine books,” Bridgman said. “But on the other hand if you don’t have a contract on a book by book basis.

“Why nine? I like the number nine. It’s the only number that holds all the other numbers (1 + 2 + 3) in the first installment. “Why nine? I like the number nine. It’s the only number that holds all the other numbers (1 + 2 + 3 + 4 + 5 + 6…they all add up to 9).”

Of course, the nature of the publishing business is that sales determine which books get published. Great Plains Publications liked the response enough to offer Bridgman a contract for *Amber Ambrosia*, but the series will have to pay its own way on a book by book basis.

“It’s a little hard on the one hand, because you think ‘What if they don’t want to publish the books?’ But on the other hand if you don’t have a contract your writing isn’t tied down to a deadline for when the next books need to be done,” Bridgman said. “So far, Great Plains seems to be pleased with the series. And the French language rights for the first book have been sold, so I’m looking forward to reading *The Serpent’s Spell* en français!”

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A charge card can be a good thing

A Day in the Life
of a purchasing card coordinator

BY DALE BARBOUR
The Bulletin

The University of Manitoba wants you to use its Visa card. Really.

At least, when it comes to making purchases for the office.

“I love the program. It’s what we call an 80/20 program – it streamlines 80 per cent of the workload and does it in 20 per cent of the time,” purchasing card coordinator Dianne Schilling said.

Schilling looks after the purchasing card program for the university: pitching the idea to departments and walking them through the procedures for using the Visa card. And yes, the university really does want you to use the card – not to spend more money but to make purchases more efficiently within budget.

The goal is to use the card for smaller purchases that would otherwise tie up the university in paperwork. But there’s a strict limit on the total amount that can be spent on any item and the total that can be spent per day. Some purchases are also off limits, if you want to book a hotel room for a conference, as one example.

In total, the university makes about 30,000 transactions a year with its purchasing cards for a total of about $8 million. There’s still work involved. The transactions have to be reconciled at the department level every month. And at the university level, Schilling is responsible for reconciling the university-wide account.

Purchasing card coordinator Dianne Schilling enjoys the efficiency of the university’s Visa card system, which allows departments to charge low cost expenses.

She’s also the person to call if something goes wrong.

“There’s a lot of phone calls. Usually from people who tried to put a purchase through and they’ve run into a restriction,” Schilling said.

The University of Manitoba was one of the first corporate clients to tap into the purchasing card programs. Schilling said initially, the idea of a university using a VISA card took a little getting used to on both sides.

“When we started out 11 years ago the suppliers were just getting on board to the idea of having a business – in this case a university – use a Visa card,” Schilling said.

Having the cards has made a difference. Previously, aside from systems contracts, every small purchase had to go through central administration. It meant more paperwork, and added more time to the process, which increased the possibility of a delay in the transaction. The purchasing card empowers the departments to handle their own low dollar transactions and in turn gives purchasing/supplier payment services the ability to spend time on the high dollar purchases.

With everything done in-house, the department knows when the purchase has gone through and the supplier is paid right away.

“I love the efficiency of the program and that it can reduce everyone’s workload."

Schilling has been in the payables and purchasing field for the past 13 years at the university and has been with the purchasing card program from day one. She’s watched the program evolve and she’s made the goal of improving the efficiency in her own.

“I’ve always been in the administrative/financial field and I’ve always liked finding ways to increase my own efficiency,” Schilling said.

“I love this job because I get to have a lot of interaction with people and I love helping people,” Schilling said. “I’d go crazy if I was working in a job that didn’t involve helping people.”

Of international interest

The Canadian Bureau for International Education Western Regional Conference is back in Winnipeg.

Hosted by the College universitaire de Saint Boniface, this year’s theme is Not Just the Bottom-Line: Internationalizing Canadian Universities.

The conference is returning to Winnipeg after a prolonged absence and will provide a unique opportunity to share thoughts, ideas and best practices on internationalizing Canadian universities, unpacking its contents and exploring some of the challenges it implies.

The goal of the theme is to help move our institutions – in research, teaching, learning, student services, exchange & mobility, international partnerships, community service and in recruitment and retention.

The conference will be held on the afternoon of May 8 and all day May 9. The registration fee is $75 which includes a light lunch prior to the opening remarks, a reception and dinner at Le Vieille Gare on the evening of May 8 and a luncheon on May 9. Single day and student rates are also available for $50 and $25 respectively. Registration details and forms are posted on-line at www.cbie.ca/conference or call the University of Manitoba International Centre for Students 474 8902.

Wednesday, May 30, 2007

Doors at 7:00 p.m. Lecture at 7:30 p.m.

Winnipeg Art Gallery, Muriel Richardson Auditorium
300 Memorial Blvd, Winnipeg

One of Canada’s best-known science popularizers, Jay Ingram is co-host and producer of Daily Planet, television’s first daily science show. He was host of the CBC radio science show Quirks and Quarks for 12 years, and has written nine popular books on science.

Presented in partnership with the Alberta Prion Research Institute.

Register on-line at www.prionetcanada.ca by May 23, 2007 or call (604) 222-3611.

Admission is free but registration is recommended. Seating priority will be given to registered attendees.

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The Winnipeg Chapter Society for Neuroscience in conjunction with Brain Awareness Week presents...

Dr. William Catterall, PhD
Professor and Chair, Department of Pharmacology
University of Washington

Research Lecture
“Calcium Channels and Synaptic Plasticity”

Public Lecture
“Electrical Signaling in the Brain: Ion Channels, Epilepsy, and More”

Wednesday, May 16, 2007
12:00-1:00PM
Theatre C, 2nd Floor
Basic Medical Sciences Bldg
University of Manitoba
730 William Avenue

Wednesday, May 16, 2007
6:00-7:00PM
Samuel Cohen Auditorium
St. Boniface Research Centre
351 Tache Avenue

All Are Welcome to Attend

Contact: Sharon McCartney 789-3770 or visit www.sfn-manitoba.ca

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PRIONET CANADA PRESENTS...

Mad Cow Mysteries
a public lecture by Jay Ingram

Join Jay Ingram for a lively look at the cultural and scientific mysteries of misfolded proteins (called prions). They cause bovine spongiform encephalopathy (BSE) and chronic wasting disease, are perplexing and elusive, and impact our lives, food supply and economy.

Wednesday, May 30, 2007
The University of Manitoba is opening its doors to the public with guided tours in the heart of the Fort Garry campus as part of Doors Open Winnipeg 2007.

Guided tours begin at the Fireplace Lounge in University Centre at 11 a.m. and 1 p.m on Saturday, May 26, and Sunday, May 27.

Visitors will tour the heart of the Fort Garry campus, going inside three historic buildings: the Georgian-style Administration and Human Ecology Buildings, and the classrooms and lecture theatres of the Gothic-style Tier Building.

Doors Open provides a unique cultural and educational experience. For one weekend of the year, the public is invited to enter built heritage treasures, cultural institutions and other buildings of interest.

In its three years, Doors Open has attracted over 110,000 site visits to Winnipeg’s built heritage treasures and cultural institutions.

VOLUNTEERS NEEDED

The university is also looking for a group of dedicated volunteers to help make this event a success.

Volunteer hosts will welcome visitors arriving to the university, provide guests with information and brochures and help organize visitors into tour groups.

Walking tour guides and building tour guides, act as an ambassador and guide, make yourself familiar (and contribute!) to the tour scripts. Building guides will also talk about the history and architecture of the buildings.

If you are interested in volunteering on either day, please contact Siobhan Kari at 474-9022 or siobhan_kari@umanitoba.ca. Volunteer orientation will be provided.

Bannatyne Campus

AND ST. BONIFACE RESEARCH CENTRE

Thursday, May 3

Immunology, Concurrent use of repellents and sunscreens: perspectives in translational research. Icosligand Costimulation and the role of human Icosligand. The Icosligand/Adcylidin-2 receptor signaling: sticking together in airway smooth muscle.

Friday, May 4

Obstetrics, Gynecology and Reproductive Sciences Grand Rounds, Trauma in Pregnancy by Vera Cheung, OB/GYN resident, University of Manitoba, Theatre A Basic Medical Sciences Building, linked to NG002 at St. Boniface Hospital, 10 a.m., Monday, May 7.

Monday, May 7

National Training Program in Allergy and Asthma Research, Costimulation and Anaphylaxis. The Role of Adcylidin-2 in Allergy and Asthma.

Tuesday, May 8

Internal Medicine Grand Rounds, A Lung Health Study by Nicholas Anthonissen, distinguished professor emeritus, University of Manitoba, Theatre A Basic Medical Sciences Building, linked to NG002 at St. Boniface Hospital, 8 a.m., Tuesday, May 8.

Wednesday, May 9

Obstetrics, Gynecology and Reproductive Sciences Grand Rounds, Trauma in Pregnancy by Vera Cheung, OB/GYN resident, Theatre A Basic Medical Sciences Building, with links to NG002 Nursing Building St. Boniface General Hospital, 201 Thompson General Hospital, Brandon General Hospital, 7:45 a.m., Tuesday, May 7.

Monday, May 14

Immunology Annual Graduate Student Research Presentations, Regulation of the IL-9 receptor in human neutrophils by Stéphane Dragon, 500 Campus Drive, Theatre A Basic Medical Sciences Building, 12 p.m., Monday, May 7.

Tuesday, May 15

Internal Medicine Grand Rounds, Section of Critical by Robert Bruce Light, head, section of critical care medicine, professor of medicine, University of Manitoba, Theatre A Basic Medical Sciences Building, linked to NG002 at St. Boniface Hospital, 8 a.m., Tuesday, May 15.

Wednesday, May 16

Obstetrics, Gynecology and Reproductive Sciences Grand Rounds, Breech Birth: Back Out Of The Closet by Andrew Kotaska, department of obstetrics and gynecology, St. boniface Regional Hospital, Theatre A Basic Medical Sciences Building, with links to NG002 Nursing Building St. Boniface General Hospital, 201 Thompson General Hospital, Brandon General Hospital, 7:45 a.m., Wednesday, May 16.

Brain Awareness Week Public Lecture, Electrical signalling in the brain: Ion channels, epilepsy and more by William Catterall, Professor & Chair Department of Pharmacology, University of Washington, Samuel Cohen Auditorium, St. Boniface Research Centre, 6 p.m., Wednesday, May 16.

Thursday, May 17

Pediatric Grand Rounds, Epidemiology of Pediatric IBD, Winnipeg Children’s Hospital 1978-2002 by Stan Moroz, pediatric gastroenterology, Theatre A Basic Medical Sciences Building, 8 a.m., Thursday, May 17.

Immunology, Killer cell Ig-like receptor signalling: sticking together in the scrum by Deborah Burshtyn, medical microbiology and immunology, University of Alberta, Immunology Library 604/605 Basic Medical Sciences Building, 12 p.m., Thursday, May 17.

Let’s beautify our campus

The University of Manitoba will hold its tenth annual Campus Beautification Day on Thursday, May 24. Staff, students, faculty and retirees are invited to participate on a voluntary basis to help beautify the campus.

Jobs will include picking up paper, raking, weeding, spreading mulch or planting flowers.

The project will commence at 9 a.m. and continue throughout the day. Everyone is invited to participate for as much time as their schedules permit. In the event of poor weather, the rain date is Friday, May 25.

Volunteers will be organized through their local departments and units and are asked to bring gloves, rakes and spades from home, although some will be provided by physical plant.

On Campus Beautification Day, a barbecue lunch sponsored by ARAMARK will be held at noon in the quadrangle on the Fort Garry Campus and in front of the Brodie Centre on the Bannatyne Campus for all volunteers. Pepsi will be providing the refreshments. The Bookstore and various other businesses on campus will be donating “door” prizes for the event.

Following the barbecue on the Fort Garry Campus, there will be a tree planting ceremony in the quadrangle commemorating the 10th Annual Campus Beautification Day.

As always, physical plant deserves credit for helping organize and make Campus Beautification Day possible. Physical plant will also be hiring additional grounds staff during the summer to ensure the effort put in by university volunteers will be maintained during the summer.

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

Thursday, May 3

Immunology, Concurrent use of repellents and sunscreens: perspectives in translational research. Icosligand Costimulation and the role of human Icosligand. The Icosligand/Adcylidin-2 receptor signaling: sticking together in airway smooth muscle.

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Monday, May 7

National Training Program in Allergy and Asthma Research, Costimulation and Anaphylaxis. The Role of Adcylidin-2 in Allergy and Asthma.
Get active this summer

It’s time to knock off the last of those winter cobwebs and get active – summer active that is.

The University of Manitoba’s summer active campaign runs from May 28 to June 22 this year – with a registration period running between May 14 and May 24.

The purpose of summer active is to get people out enjoying the weather at noon playing bocce or trying different activities offered by recreation services. Recreation services fitness coordinator Ulla Liljegren said, “With summer active it’s a great way to get people exercising and get them active this summer.”

Participating in Sneakers In Motion Day is just one way to get active this summer. Liljegren said it’s a natural fit and Liljegren said it’s a natural fit and Liljegren said it’s a natural fit.

For more information please contact Terri Ashcroft at 474-8524 or terri_ashcroft@umanitoba.ca.

Nursing to hold open house

The Faculty of Nursing will hold its first annual open house Tuesday, May 8, from 10 a.m. to 2 p.m. in the Helen Glass Centre for Nursing. The event is open to students, staff, faculty and the public. Brief speeches will be made by Dean Emile Szathmáry, Dean Care, Dean of the Faculty of Nursing, and Jan Stewart, host of CBC News at Six.

Refreshments will be served and guided tours will be offered every half hour starting at 10 a.m., with self-guided tours available for the full four hours.

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The University of Manitoba anticipates research associate positions will be available over the next six months beginning May 1, 2007 and October 31, 2007 in the following fields: soil science, civil and environmental engineering, atmospheric science with a focus in extreme weather, storms, surface-atmosphere coupling, and numerical modeling applications this includes either meteorology or oceanography, and human geography. Applicants must have completed or be in the final year of their PhD. Experience in remote sensing of climate change, field experiments, and experimental setup and management, atmospheric science with a focus in extreme weather, storms, surface-atmosphere coupling, and numerical modeling applications this includes either meteorology or oceanography, and human geography. Experience in field experiments, and experimental setup and management is required. The University of Manitoba offers competitive salary levels and a comprehensive benefits package. Applications, including curriculum vitae, bibliography, names of referees and the specific field mentioned above for which you are applying should be sent to:

Kathy Niziol, Academic Advertising Coordinator Human Resource Department, University of Manitoba Room 309 Administration Building Winnipeg, Manitoba, Canada R3T 2N2 e-mail: Kathy_Niziol@umanitoba.ca

Your application will be forwarded and the Researcher responsible will contact you directly. Should the anticipated research positions become available.

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Your application will be forwarded and the Researcher responsible will contact you directly. Should the anticipated research positions become available.

Application materials, including letters of reference, will be handled in accordance with the Freedom of Information and Protection of Privacy Act (Manitoba).
Examining the stuff roads are made of

Forget about potholes – the real problem is in the pavement

By Sean Moore
Research Promotion

Springtime supplies fodder for many weather-related conversations, but for drivers, these seasonal discussions are usually dominated by potholes – the automobile’s perennial enemy. Reasonably, some drivers wonder what researchers are doing to rid our roads of these hazards.

But Ahmed Shalaby, civil engineering, said spending time researching potholes would be like researching a symptom while ignoring the disease.

“Potholes are an indication the road has failed, and there is not a good treatment for them,” he said. “What we should be doing is designing roads that do not deteriorate to the point of having potholes.”

Shalaby and his graduate students are researching ways to improve roads by using different aggregates and bonding agents in concrete mixtures. They are tweaking the recipe of both asphalt concrete and Portland cement concrete, the latter of which has been around in one form or another since the days of Ancient Egypt.

Portland cement concrete consists of aggregates – fine particles like sand and coarse ones like gravel – that are mixed with water and powdered cement to cause a chemical reaction that results in a solid structure. Asphalt concrete is similar except it has an asphalt binder.

“You’re dealing with semi-processed materials, which means you have fewer controls over the consistency of the product and that creates problems,” he said. “You’re not going to change the materials used in road construction, but you can now predict whether they are durable or not.”

Shalaby’s pavement laboratory is determining the characteristics and material properties of various mixtures. With each quarry mining a slightly different material, it is important to know the subtle variations in their properties.

To determine the strength of mixtures he exposes them to temperatures ranging from –30 C to 40 C. He also places samples in a device that repeatedly pounds them with roughly two tons of force (the weight of an average semi-trailer size distributor) while sensors measure how the mixture reacts.

“We’re looking at small, incremental changes, but even those changes end up saving a lot of money,” Shalaby said.

He noted that the province will spend roughly $400 million on roadways annually over the next five years, so a five per cent improvement in a roadway’s lifespan could mean significant savings for taxpayers. Currently, concrete pavement lasts 35 to 50 years, while asphalt pavement lasts about 20 years.

Shalaby is also researching the surface texture of pavements. He uses a Photometric Stereoscopic Imaging System, a digital camera mounted in a wooden box the size of a kitchen table, which takes 3D images of a roadway’s surface and allows him to assess the surface’s skid resistance.

“We’re looking at the surface of the road to improve our understanding of friction and breaking distances under inclement weather. The objective is to improve safety on roads and airfields,” he said.

“It’s basically designing roads to make them last longer and make sure they are safe. Safety is the overriding issue, and that’s one of the more frustrating parts; sometimes you can’t do your research fast enough to come up with results and see them in practice. But a lot of the work we’ve done has been implemented already.”

Sean Moore has recently joined the Research Promotion office. If you have research story suggestions please feel free to contact him. Sean can be reached at 474-7184 or e-mail sean.moore@umanitoba.ca.

Nutrition conference is first of its kind

By Frank Nolan
Research Promotion

Next month, scientists from across Canada will gather in Winnipeg for a four-day conference focused on the rapidly growing field of nutrition research. The Canadian Nutrition Congress, being held at the Winnipeg Convention Centre from June 18 to 21, is a joint meeting of the Canadian Society of Animal Science, the Canadian Society for Nutritional Sciences, and the Canadian Section of the American Oil Chemists’ Society. This is the first congress of its kind in Canada, and it is being organized by researchers at the University of Manitoba.

“We wanted to create synergy in terms of nutrition research across the country,” said congress chair Jim House, animal science. “The goal is really to bring together researchers in a range of fields so that they can share ideas across disciplinary boundaries.”

The event includes symposia on some of today’s hottest topics in human and animal nutrition, from trans fats and omega-3 fatty acids, to agronomic formulation and the intestinal health of cattle and swine. The plenary symposium, like many of the other sessions, spans both areas. It will focus on the optimum fatty acid profile for human health, as well as the modifications that can be made in animal nutrition to help meet that profile and the challenges faced by the food industry in altering the lipid composition of food products.

“There is growing demand by consumers for meat, eggs, milk and other animal products to have a certain nutritional profile,” House said. “The question is, what exactly is that profile? This is where animal scientists can work with the human nutrition community to really define the profile we should be aiming for.”

Another session will focus on a compound called conjugated linoleic acid (CLA), which has been the subject of intense research around the world.

“CLA is one of those nutraceuticals that has two very distinct sides to it,” said Peter Jones, director of the Richardson Centre for Functional Foods and Nutraceuticals, and a member of the Canadian Nutrition Congress organizing committee. “There is a large body of data that show it to have many potential health benefits, from reducing cancer risk to improving blood lipid profiles. On the other hand, there is also evidence that it can produce undesirable effects, so researchers are working very hard to fully understand it.”

There is so much interest in CLA that a full-day satellite workshop has been set up at the Richardson Centre. The CLA workshop is being organized by McGill University researcher Stephanie Jew, and supported by the Advanced Foods and Materials Network (AFMNet), one of Canada’s Networks of Centres of Excellence.

“The CLA Workshop will showcase the very latest findings,” she said. “We’ve received abstracts that range from studies of blood pressure to human clinical trials on body weight and glucose intolerance, so it will highlight a very broad range of CLA research.”

Abstracts for both the Canadian Nutrition Congress and the CLA Workshop are being accepted until May 15. For more information about abstract submission, or to learn more about the Congress, including a program and a list of speakers, please visit the Canadian Nutrition Congress website at www.cnc2007.ca.
Unveiling a fresh food idea

ARAMARK is offering a new concept for food service

BY DALE BARBOUR

ARAMARK has created University of Manitoba Food Services to put a local stamp on providing staff and students with food. The university will showcase a new approach to food service this fall.

PEMBINA HALL

The biggest changes are happening in Pembina Hall. The service area and the dining area are both being redone.

“Pembina Hall is due for a facelift,” Jenings said. “It’s the old school cafeteria style service and it’s also batch cooking, which means you cook a batch of food in the back and then it’s placed on the steam table.”

There’s little interaction between the people making the meal and the people eating the meal, no chance for customizing it and the freshness of the food depends entirely on how quickly people get to it after it’s been put out.

“We call the new concept the Fresh Food Company. We bring the cooks and the food out front,” Jenings said. “You can talk with the cooks and customize your meal. It takes the mystery out of the whole food experience.”

It won’t change the number of staff involved in making the meals, but instead of a cafeteria line up, there will be a series of cooking areas people can go to get the food they want. The variety of kiosks will include a soup area, produce/salad area, grill, home zone – an area featuring home-style cooked meals, a pizza/pasta area, deli, and an accent area for specialty options such as stir fries and vegan options.

“We’ll be on a four-week rotating cycle, so there will be something different every day for four weeks, giving people more variety,” Jenings said.

And best of all, one price will give you access to everything and as many returns trips as you like.

“We want people to feel free to come back and get more,” Jenings said. “With the cafeteria they felt they had to load up and then a lot of that food would get thrown out.”

While the serving area is being completely rebuilt and opened up, the dining area is also getting a facelift with new furniture and new seating options. Jenings said there will even be a breakfast nook where people can eat, read the newspaper or watch TV.

And Jenings said the one message they’ll be trying to get out to the university community is that Pembina Hall is open to everyone on campus.

“You can come over to Pembina Hall to eat as well,” Jenings said. “We’ll have a casual meal rate for breakfast, lunch and dinner.”

UNIVERSITY CENTRE

It’s going to be stripped right back to the drywall and then rebuilt as a full service Tim Horton’s Restaurant,” Jenings said. “That means it will offer soup, sandwiches, breakfast sandwiches and all the other Tim Horton’s items. And we’re putting seating in so that you can right there in the room.

One of the challenges of eating upstairs has been that seating isn’t guaranteed if there are special events happening in the adjacent rooms.

“We felt if we were going to bring upstairs we needed something that would act as a big anchor,” Jenings said. “The Tim Horton’s on the lower level of University Centre is staying put, but most of the other outlets will be getting a makeover.

“Subway is staying where it is, and we’ll keep it open during the summer,” Jenings said. The other food outlets are being redone with an updated menu. New outlets will include a Manchu Wok and a homezone, where people will be able to get a knife and fork kind of cooked meal.

The signature stop in the new campus service area will be the Bison Grill. University Food Services will be teaming with the Bisons to salute the athlete of the week and take part in Bison fundraisers.

“The meals will be cooked in front of you and the signature meal will all be made with ingredients purchased from within a 200 km radius of Winnipeg,” Jenings said. That means Bison hamburgers, Bothwell Cheese, Peak of the Market Vegetables and so on.

ELIZABETH DAFOE LIBRARY

A new full service Starbucks will be springing up in the Elizabeth Dafoe Library. U of M libraries director Carolynne Argue will be open for breakfast, lunch and dinner.

The Greenhouse Café in Fletcher Argue will be open for breakfast, lunch and dinner during the summer.

FRANK KENNEDY CENTRE

The café will be moving into the student lounge area by the south entrance to Frank Kennedy, while the lounge will take up its old location.

“We’ll have a Tim Hortons’s outlet, along with our soup and sandwich products,” Jenings said. The change will bring the café into a higher traffic area where it can serve students, staff and community members more readily.

BRODIE CENTRE

The eating area will be getting a makeover that will include the addition of the Pita Pit outlet.

Most of the other university eateries will be seeing changes however some of them will have to wait for next summer.

This summer, Subway, Tim Hortons’s and Booster Juice in University Centre will all remain open and the Booster Juice menu will be expanded to include pizza and snacks.

The Greenhouse Café in Fletcher Argue will be open for breakfast, lunch and dinner during the summer.