Support for the U of M

The Manitoba Government presented the University of Manitoba with $26-million for campus improvements which will go towards building structural improvements, insulation upgrades and fire-safety system upgrades.

Overall the province is giving Manitoba’s four major universities $40-million for 54 campus improvement projects. University of Winnipeg president Lloyd Axworthy and Collège Universitaire de Saint-Boniface rectrice Raymonde Gagné joined president David Barnard at Aboriginal House for the announcement on Jan. 14.

“We are committed to the renewal of post-secondary institutions and revitalizing our campuses to ensure colleges and universities continue to provide exciting and vibrant settings for learning,” McGifford said. “This government has clearly demonstrated that post-secondary education and training is a top priority and this unprecedented commitment is a continuation of our promise to invest in the province’s centres of learning and research.”

Revitalization of the universities, which was assessed and recommended by an independent engineering firm, will include new roofing and plumbing, additional security, increased accessibility, improved energy efficiency through new heating and lighting systems, insulation upgrades and high-efficiency lighting equipment.

“We are extremely grateful to the provincial government for recognizing the infrastructure needs that exist on our campus,” said president David Barnard. “This funding will help us address those issues and ensure we continue to provide a safe and comfortable environment for the students and staff who study and work at the University of Manitoba.”

This two-year capital investment is part of the infrastructure stimulus announced in the provincial government’s economic statement and throne speech. It is estimated that for every $1 million invested in renovations, 30 jobs are created and $1.5 million is added to the gross domestic product.
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.

Always on the e-cusp
January 27, 2009
trainingzone.co.uk

An online information service for learning and development professionals around the world called George Siemens, a well-known theorist on the changing nature of learning, in a digital society, for a full-length feature article. The news and information website interviewed Siemens, the associate director of the university’s Learning Technology Centre, prior to his keynote presentation at the Learning Technologies Conference 2009 in London, England.

Baragar on the budget
January 27, 2009
CanadianBusiness.com

Fletcher Baragar of the department of economics spoke at length to CanadianBusiness.com on Canada’s deficit and government strategy in anticipation of the federal government’s budget.

Fast food and asthma
January 27, 2009
Various

A major study that includes Allan Becker of the departments of pediatrics & child health and immunology and postdoctoral student Xiao-Mei Mai made news headlines around the world for confirming the link between breastfeeding, fast food consumption and asthma. The study found that the benefits babies get from being breastfed in early life can be negated if later on in childhood they eat fast food more than once or twice a week. The study’s lead author, Anita Kozyrskyj, led the team while she was a researcher at the University of Manitoba.

Type your troubles away?
January 22, 2009
Globe and Mail

Lorne Sexton, an associate professor in clinical health psychology, spoke to the Globe and Mail about a Canadian university that is training social work students to provide online counseling and psychological services. The CPA is looking at guidelines for psychologists who want to use the Internet to provide counseling services.

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.

• “Study finds religious services may lower stress, increase heart rate recovery,” Washington Times, Toronto Sun, CanadaEast.com, Daily Gleaner, MedIndia, Owen Sound Sun Times, Jan. 17, 2009.

Check out our new videos!

Three new videos are now online to educate prospective students about the wide range of opportunities available to them at the U of M. It’s no secret that the University of Manitoba is a special place. The students, faculty and staff who come to the university each day know it, as do the thousands of alumni around the world who still feel a strong connection to the U of M. But sometimes it’s hard to put into words what makes the University of Manitoba so special. After all, there’s a lot to talk about: The excellence in teaching. The pioneering research. The championship sports teams. The vibrant student life. And more.

Well it’s a lot easier now with three new student-focused videos developed by Student Recruitment and Public Affairs. Why tell when you can show, right?

Each of the three videos tackles a different theme. The first is an Introduction to the University of Manitoba, and is a general overview that focuses on the many possibilities open to you at the U of M. Campus Living and Student Life demonstrates that the U of M is about more than a great education. It highlights all the exciting places you can go and the incredible people you’ll meet when you get here.

And Find your Future: The programs and courses of the U of M feature the wide range of academic options available here. Whatever you’re looking for, you can find your future at the U of M.

Want to check out the videos? View them online at umanitoba.ca.

CENTRE ON AGING STUDENT AWARDS

Award (Value)
• Centre on Aging Betty Havens Memorial Graduate Fellowship ($4,000.00)
• Jack MacDonnell Scholarship for Research on Aging ($4,000.00)
• Esther and Samuel Milмот Scholarship ($500.00)

Purpose
• To encourage and stimulate student interest in research activity in aging.

Eligibility
• For the Centre on Aging Betty Havens Memorial Graduate Fellowship and Jack MacDonnell Scholarship for Research in Aging. Full-time Master’s students, medical residents pursuing full-time research, and Ph.D. students at the University of Manitoba whose studies focus on aging.
• For the Esther and Samuel Milмот Scholarship: Full-time students pursuing a program which bears on gerontology either in the Faculty of Arts or in the Faculty of Graduate Studies with the principal field of study in a department of the Faculty of Arts, University of Manitoba.

Conditions for All Applicants:
• Applications and references must be received no later than April 1, 2009.
• Applications must include a description of the proposed research including a statement of its relevance to aging.

Eligibility (Specific to Centre on Aging Graduate Fellowships)
• Applications must include all University transcripts. Two references from faculty familiar with the applicant’s work are to be forwarded by the referee directly to the Centre on Aging, on appropriate forms.
• The awards will be payable in instalments during the period September 1, 2009 to May 1, 2010.
• All recipients will be required to submit a progress report by May 1, 2010. Any resulting publications must also acknowledge financial support.
• These awards may not be held more than once during a specific degree program.

Additional Conditions for Graduate Students:
• In addition to the two references noted above, a supporting letter must be forwarded by the applicant’s faculty advisor.
• A copy of the recipient’s thesis/dissertation, when complete, must be submitted to the Centre on Aging.

Financial support from the Centre must be acknowledged.

Committee of Selection
• The selection committee for this fellowship will be appointed by the Centre’s Advisory Board. Various disciplines will be represented.

Application forms are available from:
Centre on Aging
338 Isbister Building
University of Manitoba
Winnipeg, Manitoba, R3T 2N2
(204) 474-8754
Closing date for applications: April 1, 2009

One university. Many futures.

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 in 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.

Material in The Bulletin may be reprinted or broadcast, excepting materials for which The Bulletin does not hold exclusive copyright.

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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: barbou@ms.umanitoba.ca

Advertising Policy
With the exception of advertisements from the University of Manitoba, ads carried in The Bulletin do not imply recommendation by the university for the product or service. The Bulletin will not knowingly publish any advertisement which is illegal, misleading or offensive to its readers. The Bulletin will also reject any advertisement which violates the university’s internal policies, equity/human rights or code of conduct.

The Bulletin can be viewed online at umanitoba.ca/bulletin
The Manitoba government announced that it has awarded the University of Manitoba more than $2.5 million in funding to support research projects relating to health, the environment and advances technologies.

The announcement was made on Jan. 23 by Science, Technology, Energy and Mines Minister Jim Rondeau. The funding is provided through the Manitoba Research and Innovation Fund.

This funding from the Manitoba Research and Innovation Fund will provide an important stimulus to the research capacity at the University of Manitoba,” said Dugýr Jayas, acting vice-president (research). The researchers who have received funding are:

Cindy Ellison, pathology, received $100,000 to equip a laboratory focused on investigating the interactions between cells of immune system and epithelial cells, which are present in organs such as the skin, lungs and intestines.

Olanrewaju Ojo, mechanical and manufacturing engineering, received $98,758 to outfit a laboratory with state-of-the-art equipment that can be used alongside an existing scanning electron microscope to advance nanotechnology research.

Jennifer van Wijngaarden, chemistry, received $100,000 to equip a laboratory interested in the use of high resolution spectroscopic techniques to determine the properties of molecular ions and radicals.

Michael Gercke, physics and astronomy, received $93,940 to establish a state-of-the-art laboratory that can develop and test particle detectors used in subatomic physics experiments.

Davinder Jassal, internal medicine, received $100,000 to establish a laboratory interested in performing noninvasive cardiac imaging techniques that will lead to new understanding of the mechanisms underlying the metabolic syndrome.

Andrey Bekker, geological sciences, received $267,308 to purchase a gas-source stable-isotope ratio mass spectrometer and provide infrastructure to further advance the research laboratory.

Wen Zhong, textile sciences, was awarded $100,000 to provide infrastructure for the establishment of a state-of-the-art laboratory to advance research and development in healthcare and medical textiles.

Jitender Sareen, psychiatry, will be setting up a population-based laboratory focused on Aboriginal suicide prevention, military mental health, and anxiety disorders with his award of $98,808.

Frank Schweitzer and Scott Knorke, chemistry, received $564,894 to develop carbohydrate-based investigational drugs that are able to block adhesion of pathogens on cell surfaces, novel hybrid antibiotics against drug resistant bacteria, and to identify health-promoting structures of plant-derived glycoproteins.

Feiyue Wang, environment and geography, and chemistry, will receive $589,250 to establish the Sea-Ice Environmental Research Facility, which will allow for the fabrication and growth of sea ice under various controlled conditions for mesoscale studies.

Torsten Hegmann and Michael S. Freund, chemistry, received $350,708 to establish a small and wide-angle x-ray scattering laboratory capable of advanced structural characterization of liquid crystal nanocomposites and other soft, nanoscale and condensed matter materials.

Warren Cariou, English, film and theatre, received $74,740 to establish the Narrative, Community and Indigenous Cultures: Creative Communities Studio.

David Barber, environment and geography, received $125,000 to purchase an L-band Scatterometer to support sea ice and Arctic climate change research.

Bruce Ford, biological sciences, was awarded $57,089 for the Canadian University Biological Consortium.

St. John’s shakes up campus food options

St. John’s College’s Daily Bread Café is doing something that might just seem a little unusual for a college cafeteria; it’s growing.

In fact over the past few months the Daily Bread Café has moved into three new locations: Expresso 101, located next to the new Robert B. Schultz Lecture Theatre, St. Andrew’s College and the federal Freshwater Institute.

Café manager Ian Park said the expansion started with Expresso 101.

“We had small area next to the new theatre that didn’t really serve a purpose, so we thought it would be a good location for a new coffee and lunch counter,” Park said.

“We thought it would be a good match. It’s a different clientele than we typically see in the Daily Bread, they have a nice facility and we see it as doorway to doing more catering in Smartpark,” Park said.

The menu in the Freshwater Institute will be similar to the Daily Bread Café, but Park said they expect to offer local options, including keeping some deep fried items on the menu. The college took up operations in the Freshwater Institute earlier this month.

Overall, the changes have seen the college’s food service workforce grow from 15 people to 26. Park said any financial benefits from the expansion will flow back into the college to support its programming.

Join us for a public lecture at THE UNIVERSITY OF MANITOBA

MAKING EVERY KERNEL COUNT

DR. DIGVÝR JAYAS
Distinguished Professor of Biosystems Engineering, Canada Research Chair in Stored-Grain Ecosystems and 2008 Recipient of the Dr. John A. Blumenstein Memorial Winnipeg 8th Institute Foundation Award

For more than 25 years Dr. Jayas has been studying ways to reduce losses in grain quality and quantity during storage in farm and commercial systems. He is developing mathematical models of stored-grain ecosystems to explain the biotic and abiotic causes of grain deterioration, and he is developing innovative machines that can monitor grain quality as it moves through storage and transport systems. The presentation will highlight how research has helped in preserving grain to feed the growing world population.

Tuesday, February 3
8:00 p.m.
343 Drake Centre
Fort Garry Campus

All are welcome  Free Admission

For more information, please call 474-6915

Pharmacy students receive their white coats during ceremony on Jan. 13.

Taking up the white coat

Forty eight first-year pharmacy students at the University of Manitoba took their first steps toward becoming pharmacists during a White Coat Ceremony held by the Faculty of Pharmacy on Jan. 13.

“We are pleased to present the white coats to the first-year pharmacy students in recognition of their commitment in a health care profession,” David Collins, dean of the Faculty of Pharmacy said.

The White Coat Ceremony is a symbolic event that culminates with each student receiving a new white lab coat that symbolizes entry into the pharmacy profession. During the ceremony, the new students stood together and recited the “Oath of a Pharmacist” in which they promised to show compassion and respect throughout their careers and to set worthy examples in the application of humanistic principles.
The science of wireless networks

Books
by University Staff

The subjects are different, but electrical and computer engineering professor Ekram Hossain's latest two books from Springer, Introduction to Network Simulator NS2 and Heterogeneous Wireless Access Networks, are both filling a niche in the field of wireless networks. Introduction to Network Simulator NS2 was written by Hossain and Teerawat Issariyakul, a former University of Manitoba PhD student now working as an adjunct faculty member at the Asian Institute of Technology and as an engineer for the TOT Public Company Limited in Thailand. NS2 will be a familiar name to engineers in the communication field. It's an open source programming tool that is used to simulate communications networks. What Hossain and Issariyakul have done is put together a how-to book for the program.

"We've been using NS2 for almost ten years, but there are no books to explain how to use it," Hossain said. "There are resources on the internet but they're scattered and they don't really talk in detail about the architecture of the system itself or how the simulation program was developed. So for students starting out the learning curve has been pretty steep and the web resources haven't been terribly user friendly. "We really wanted something that would be useful to undergraduate students, graduate students, and researchers who are doing implementations with NS2," Hossain said.

Hossain is keeping busy with two new books focused on wireless technology and telecommunications. What Hossain and Issariyakul have done is provide the introduction.

"If you're a user, you could be in your car and tied to a cellular system. If you then try to switch to a hotspot, how do you efficiently switch? What is the most cost effective way to do that?" Hussain said. Heterogeneous Wireless Access Networks provides some of those answers. It is targeted at researchers, and implementation issues involved in creating the architecture behind heterogeneous wireless networks.

The challenge we're trying to address is how do you configure all of these diverse wireless systems together? How do you manage them in an integrated way?" Hossain said.

"We tried to provide a sort of big picture of the related problems in linking all of these wireless access points together."

The book includes 16 articles from researchers from North America, Europe and Asia, including the top experts in the field. Hossain edited the book and provided the introduction.

The book covers both the theoretical challenges and implementation issues involved in creating the architecture behind heterogeneous wireless networks.

"There are all sorts of different wireless systems. The challenge we're trying to address is how do you configure all of these diverse wireless systems together? How do you manage them in an integrated way?" Hossain said.

"Heterogeneous Wireless Access Networks provides some of those answers. It is targeted at researchers, students and people in industry working in the area of wireless technology and telecommunications.

Winter Lecture Series: poverty, politics, ethics, animals, and death

"The dog by the cradle, the serpent beneath: some paradoxes of human-animal relationships"
BY ERIKA RITTER

Erika Ritter is a novelist, playwright, essayist and radio broadcaster. Her latest book The Dog by the Cradle, The Serpent Beneath has just been published.

Tuesday, 17th March, 12:30-1:30
Private Dining Room, University College

"The Case of Samuel Golobchuk: What lessons can we learn about end-of-life decision-making?"
A debate between
DOCTORS JOEL ZIVOT AND ADRIAN FINE

Joel Zivot specializes in anesthesiology and intensive care medicine. He looked after Mr. Golobchuk during Mr. Golobchuk's final days in the ICU at the Grace Hospital. Adrian Fine specializes in kidney diseases and was critical of the role of the court in the Golobchuk case.

Wednesday, 18th March, 12:30-1:30
Private Dining Room, University College

All events are free to attend and open to the public. More information can be found at the Centre for Professional and Applied Ethics.

The Centre for Professional and Applied Ethics at THE UNIVERSITY OF MANITOBA

The Centre for Professional and Applied Ethics at the University of Manitoba hosts a number of events each year. These include lectures, workshops, and seminars on a wide range of topics, including ethics in medicine, law, business, and the environment.

The Centre's Winter Lecture Series is one of its most popular events. Each year, the Centre invites leading experts to speak on topics of interest to students, faculty, and members of the community.

The Centre's Winter Lecture Series includes a variety of events, including talks by leading experts, discussions on current issues, and opportunities for networking.

The Centre for Professional and Applied Ethics at the University of Manitoba is an interdisciplinary research and teaching centre. Its mission is to foster a culture of ethical reflection and practice by promoting research and education on ethical issues in a variety of fields.
Town halls engage community
Barnard fields questions, brings audience up-to-date

At town hall meetings on the Fort Garry campus late in the fall term and on the Bannatyne campus early in the winter term, I had opportunities to speak with members of the university community about several things.

I described some of my impressions based on the roughly six months of visiting the city and the campus between the announcement at the end of November that I would be the next president and my arrival in July of 2008, and the additional six months of living and working here after my arrival. I have tested these impressions in conversation with many people who have lived and worked here for long periods of time. I was impressed with the welcome I received from the broader community – people in business, in government, in the cultural community, in NGOs, and so on. There is a strong awareness in the city and in the province of the importance of the University of Manitoba to economic, cultural and social development here. I also became aware of the academic and leadership strengths in the university community.

I also formed an impression of a connotation of distance in the use of “Bannatyne and Fort Garry” to talk about the campuses with a frequent implication of distance between them, in the use of “downtown and Fort Garry” to talk about government and the university with a frequent implication of distance between them, and in the use of “Crescent and Fort Garry” to talk about business and the university with a frequent implication of distance between them. I’ve met many people who do not see any connection between the separated parts of the university, between the university and government, and between the university and the larger community.

At the town hall meetings I also described my concern about understanding the appropriate ways in which being president here is the same as having been president elsewhere, and the appropriate ways in which we should be different. One aspect of continuity for me is my brief description of the role of president as 1) the set the tone, 2) work with others to set the direction, 3) get good people, 4) get them the resources they need and 5) then get yourself and other obstacles out of their way.

One last component of the town hall meetings that I’ll mention here is brief descriptions of where we are with respect to developing a new planning framework. As she completed her term, president Saxthomä published what was explicitly designated as the final report on the planning framework that covered the period ending in 2008. We are now engaged in developing a new framework for the next few years. There will, of course, be considerable continuity between the previous framework and what is developed next; this is because there is much good work going on at the University of Manitoba and the new framework must continue to facilitate that work. But there will be some new emphases as well. Work on the new framework project, in consultation with the Board of Governors, and with the deans and directors. My intention is to do a good deal of preliminary work before engaging the larger community in discussion about the choice of emphases for the early planning period. This discussion will certainly include Senate as well as other inputs.

The meetings ended with opportunities for audience members to make comments or ask questions. I appreciated the level of engagement in the sessions as representatives both of the number of people who turned out and by the number and range of questions. There will be other such sessions. They are good opportunities for me to meet large numbers of members of the university community and to get a sense of what they are thinking about. They also give me an opportunity to describe in an informal setting some of the ideas that are of concern to me. I would like once again to thank all those who were instrumental in setting up these meetings, and all members of the university community who participated in them.

STADIUM PLANS
Efforts to bring the Winnipeg Blue Bombers to the University of Manitoba’s Fort Garry campus continue to be on pace. Vice president (administration) Debbie McCallum told Senate on Jan. 7 that the university has been meeting with Creswin Properties on a regular basis and that things are progressing well. The university is also waiting for a traffic study on the people to be completed by the city and Creswin.

The stadium, if it goes ahead, will be located at the corner of Chancellor Matheson Road and University Crescent.

ENDOWMENT FUND
The university continues to keep its eye on the markets. McCallum said the economy can impact the university in three potential areas: pensions, endowment funds, and provincial grants.

The university’s endowment fund is down 21 per cent in value to the end of November due to the decline in the stock markets.

We’re not alone in being impacted and we’re not the only universities have been hurt worse,” McCallum told Senate. However, the University of Manitoba has chosen to continue allocating funds from its endowment fund.

Typically the university allocates 4.5 per cent of its three-year average. However, even at that rate there will be some decline in allocations over last year given that the three-year average will be impacted by this year’s declines. Overall, McCallum said, allocations will likely be down about six to nine per cent from last year.

The U of M’s pension fund is also down 16.5 per cent to the end of November.

The impact on provincial grants is somewhat the university can’t put a finger on yet.

ACCESSIBILITY
Senate approved and recommended the Board of Governors approve a draft policy and procedures on accessibility for students with disabilities. Student services/student affairs executive director Lynn Smith said the new policy updates the language of the policy and separates policy matters from procedural matters.

There were some concerns raised at Senate that the new language in the policy did not go far enough in meeting the needs of people with disabilities. While the policy passed through Senate, Smith said she would take those concerns into account.

BIGELOW REMEMBERED
Senate members paid their respects to Charles (Charlie) Bigelow of Victoria who died on Nov. 25, 2008, on convocation day following a fall and subsequent surgery. Bigelow was 80. He held a BSc in chemical engineering from the University of Toronto and a MSc and PhD in physical chemistry from McMaster University. After working at the University of Alberta, University of Western Ontario and Memorial University, Bigelow went on to be dean of Science at St. Mary’s University and, between 1979 and 1989, dean of Science at the University of Manitoba.

CALL FOR NOMINATIONS
The Dr. and Mrs. Ralph Campbell Award (for particularly meritorious service in outreach activities)

To mark the end of the term of Dr. Ralph Campbell as President of the University of Manitoba, his colleagues and friends established a trust fund to support the Dr. and Mrs. Ralph Campbell Outreach Award for meritorious service in outreach activities. The award is referred to as The Campbell Award.

The Campbell Award shall normally be presented at the University's June Convoction to a staff member of the University of Manitoba. The value of the award will be that determined from time to time by the Board of Governors. In each of the past years, the award has been $1,000. If, in the judgement of the committee of selection there are two candidates of equal merit, the committee may recommend that the Campbell Award be divided between the two candidates.

Nominations for the Campbell Award will be accepted from staff members of the University, alumni and members of the community.

No recipient of a Campbell Award is eligible to receive it a second time until the tenth year after the first receipt of the award.

The Presidential Advisory Committee on University Outreach will continue to act as the selection committee for the Campbell Award and to advise the president of the most appropriate recipients for this year. The committee will bear in mind the diversity of faculties, schools and administrative units within the University and will attempt to give due recognition to all areas over a period of time.

Nomination forms can be found on www.umanitoba.ca/admin/vp_academic/awards_honours.html and submitted to Dr. Karen R. Grant, Vice-Provost (Academic Affairs), Chair of the Selection Committee, by Monday, March 2, 2009. The nomination forms must be accompanied by three letters of support, including at least one letter from outside the University.
Global vision

The World W.I.S.E. (Work, Internships, Study, Exchange) Centre held its Global Colours Photography Contest this month. Students were asked to submit a photograph that portrays a cross cultural experience they have had and the lesson they learned from that experience. The goal of the global Colours contest was to help students put into words and images their encounters with the world. The submissions will all be on display in the Gallery of Student Art, University Centre until Jan. 30. Here’s a look at the top three photographs.

**FIRST PLACE**

Water Taxis

In Bangladesh, a country with a substantial amount of the population living in poverty, there are many people competing against each other for scarce income. Whether it is working as a day labourer smashing bricks into gravel on the side of the road, planting trees in exchange for rice, peddling a rickshaw or in this case, operating a water taxi, these jobs are physically demanding and low paying. The climate is hot with high humidity and a blazing sun that is both physically and mentally draining. I was, and am continually impressed by the amount of work that I saw many individuals do while maintaining a positive attitude. Then again if they do not work, they do not eat; however, it was the ability to maintain such a friendly and positive disposition in the face of adversity that has resonated with me the most.

Dylan Hoemsen

**SECOND PLACE**

Under The Stars

This summer, I had the opportunity to travel to Clearwater, Manitoba through a travel study program at the University of Manitoba. I went with the intention of fulfilling 6 credit hours of third-year geography prerequisites, and came back with a broader outlook on life. Clearwater, Manitoba doesn’t sound very exotic compared to places like Thailand, Bolivia, or Yemen, yet one can still experience the uniqueness of the prairies. This picture is meant to not only represent the beauty of the prairies, but also the cultures that thrived there before the colonisation of North America.

Joey Goertz

**3RD PLACE**

Untitled

This is a stone carving of Avalokitesvara in the Wuyou Si caves in Leshan, Sichuan. She is the Bodhisattva of infinite compassion and mercy who has a thousand arms and an eye on each palm to see and help as many mortal souls as she can. This cave lies beneath the ground a few hundred meters away from the Leshan Giant Buddha, a 233-foot tall giant Buddha, said to be the biggest stone Buddha in the world.

Dustin Boehr
Migraines and mental disorders

Migraines may lead to mental disorders, which in turn may lead to migraines, according to a new study in the January-February 2009 issue of General Hospital Psychiatry.

“Together, migraine and mental disorders cause more impairment than alone,” says lead study author Gregory Ratcliffe in the Department of Psychiatry at the University of Manitoba. “Patients who have one condition should be assessed for the other so they can be treated holistically. Although it is important to know that both are present, treating one will have an effect on the other.”

“Patients who have one condition should be assessed for the other so they can be treated holistically. Although it is important to know that both are present, treating one will have an effect on the other.”

Ratcliffe and his colleagues analyzed data on 4,181 individuals in the German National Health Interview and Examination Survey, in which migraines were diagnosed by a physician and trained interviewers evaluated participants for mental disorders. Eleven substance abuse disorders, agoraphobia and simple phobia, general anxiety disorder, dysthymia, bipolar disorder, panic attacks, panic disorder, substance abuse disorders, agoraphobia and simple phobia.

As facility assessment coordinator, it’s Jorg Klinger’s job to know which university buildings are going to need work and when.

In a certain area, that tells you something about that building. Building occupants are the other critical resource for giving a first hand appraisal of what their facility needs.

“Thirty or 40 years ago, Klinger’s job probably wouldn’t have been necessary. This came about fairly recently. Most of the institutions in North America are probably the same age as U of M and they all had a big building boom in the 1950s and 60s. In fact 50 per cent of our buildings, or 2.2 million sq. ft., were built in the period between 1956 to 1972.”

Given that the most of the systems in a building – the windows, the doors, etc – have a life expectancy of 35 to 40 years, the University of Manitoba had a window of time where it didn’t have to worry as much about making upgrades to its buildings. But by the 1990s the University’s buildings were starting to show their age and cutbacks during that time meant that they weren’t getting the timely upgrades they needed. Faced with aging infrastructure on one hand and limited resources on the other, universities have had to get a lot smarter about tracking their needs and being able to show funding agencies what those needs are.

For example, when the province announced earlier this month that it would be giving $26 million to the University of Manitoba, it was the facility assessment database put together by physical plant that justified the need for that money and which will guide its use.

Maintaining the database is an ongoing process. The university has nearly completed a full audit of the Fort Garry and Bannanyne campuses and once that’s done reports from physical plant staff and reports on work that has been completed will be used to maintain the database.

Klinger has been with the university for 22 years. He started in architectural engineering services but had a penchant for computers, so as physical plant’s computer network expanded, Klinger increasingly took on an administrative role with the network.

The background in design and computers, made him a natural fit to guide and maintain the facility assessment database.

“Students to see the campus condition improve, that’s what we’re here for,” Klinger said. “I like to see renovations take place and I like to see some of our buildings that are a little run down, get turned around. And ultimately, I like to see building users get satisfied.”
Bison Sports

Women’s Hockey
Feb. 13 – Saskatchewan at Manitoba, Max Bell, 7 p.m.
Feb. 14 – Saskatchewan at Manitoba, Max Bell, 7 p.m.

Men’s Hockey
Feb. 6 – Calgary at Manitoba, Max Bell, 7 p.m.
Feb. 7 – Calgary at Manitoba, Max Bell, 7 p.m.

Women’s Volleyball
Feb. 5 – Duckworth Challenge, Winnipeg at Manitoba, Investors Group Athletic Centre, 6 p.m.
Feb. 8 – Manitoba at Winnipeg, Duckworth Centre, 1 p.m.

Men’s Volleyball
Feb. 5 – Duckworth Challenge, Winnipeg at Manitoba, Investors Group Athletic Centre, 7:30 p.m.
Feb. 8 – Manitoba at Winnipeg, Duckworth Centre, 3 p.m.

Women’s Basketball
Feb. 6 – Trinity Western at Manitoba, Investors Group Athletic Centre, 6:15 p.m.
Feb. 7 – Simon Fraser at Manitoba, Investors Group Athletic Centre, 6:15 p.m.

Men’s Basketball
Feb. 6 – Trinity Western at Manitoba, Investors Group Athletic Centre, 8 p.m.
Feb. 7 – Simon Fraser at Manitoba, Investors Group Athletic Centre, 8 p.m.

Track and Field
Jan. 31 – Manitoba Indoor Games, Max Bell, 12 p.m.
Feb. 13-14 – Manitoba Indoor Games (Age Classic), Max Bell, 12 p.m.

Ticket Information
Single Game
Adults: $10
Students and Seniors: $5
12 and under: free
Season pass
packages available
Tickets available at all Bison home games, Frank Kennedy, Max Bell Equipment Desk.

Events Listing
University of Manitoba

Leo Mol’s take on Norrie

The University of Manitoba will unveil a Leo Mol bust of William Norrie, Chancellor of the University of Manitoba at 2:30 p.m., Monday, Feb. 2 at the William Norrie Centre, 489 Selkirk Ave.

Norrie, who has distinguished himself in public service, most notably as mayor of Winnipeg from 1979 to 1992, has served as the 12th Chancellor of the University of Manitoba since June, 2001. In 2007, he was elected to his third three-year term as Chancellor.

Named in honour of the Chancellor, the William Norrie Centre is home to the University of Manitoba’s Inner City Social Work ACCESS Program and the University of Winnipeg’s Bachelor of Education ACCESS Program.

The unveiling of the Leo Mol bust will also include speeches by president David Barnard and Norrie. A reception will follow the event.

Given that street parking is limited, people are encouraged to carpool or use public transit.

If you plan to attend RSVP to Siobhan Kari at 474-9022 or Siobhan.Kari@umanitoba.ca.

Fort Garry Campus

Biological Sciences Seminar Series
Floral evolution: investment, manipulation, and deceit by Anne Worley, department of biological sciences, 2201 Dubbel Robin Building, 3 p.m., Friday, Jan. 30.

Psychology
Neural mechanisms governing trans-saccadic memory of multiple visual items by Patricia Smith, department of psychology, P412 Dubbel Robin Building, 3 p.m., Friday, Jan. 30.

Physics and Astronomy
Nuclear Theory - Nuclear Power by Juris Svenne, physics and astronomy, 330 Allen Physics Building, 3:30 p.m., Friday, Jan. 30.

Monday, February 3
Kinesiology & Recreation Management
Kinesiology - A View from Berkeley by Paul Churchland, UC President’s Professor of Philosophy, University of California San Diego, 100 St. Paul’s College, 7:30 p.m., Monday, Feb. 3.

TUESDAY, FEBRUARY 3
Entomology
The Hessian fly – a model of adaptation to environmental changes by Ian Wise, Cereal Research Centre, Agriculture & Agri-Food Canada, 220 Animal Science-Entomology Building, 10 a.m., Tuesday, Feb. 3.
Is there hope for peace in the Middle East?

The 25th annual University of Manitoba Political Studies Students’ Conference (PSSC), entitled The Never-Ending Story: Conflicts in the Middle East runs until Friday, Jan. 30, in University College. This year’s conference will bring together leading academics, government and military officials from Canada and other countries to explore some of the more salient contemporary challenges facing the peace process in the Middle East. The conference will also explore NATO's expanding role in contemporary international relations and the challenges it faces in the twenty-first century.

This year’s conference will feature eighteen speakers on six panels that consider challenges facing the Israeli-Palestinian question and Canada’s role in the Middle East.

This year’s panels include: “At the Core: Israeli-Palestinian Question”, “Social Conflict: Religion and Political Culture”, “Economic Conflict: Oil and Water”, “Military Conflict: Proliferation”, “Geopolitical Conflict: Territory and External Powers”, and “Canada, Conflict and the Middle East.”

A question period will follow each panel to allow audience members to interact with the presenters.

The PSSC was founded in 1984, coordinated by students in the department of political studies at the University of Manitoba and aided by faculty members. It mandate is to explore issues of current relevance in international affairs by inviting several speakers from the academic, diplomatic and government communities to present their views in a variety of academic panels.

Every year the conference is eagerly anticipated by students, faculty and the general public wishing to seize the opportunity to interact with leading thinkers and officials in an intimate, collegial setting.

Access Awareness Day on Feb. 6

Disability Services is holding its 8th annual Access Awareness Day on Thursday, Feb. 6. Disability Services celebrates the accessibility of the University of Manitoba and honours faculty and staff members of the university. Faculty/Staff Access Awards will be presented to academic staff at the University of Manitoba for outstanding service in providing accommodations for students with disabilities on campus. Displays and activities will take place in the University Centre starting at 9:30 a.m. to 2 p.m. Please check the displays and take in the movie presentation starting at 10:30 am. "In Her Shoes."
Events Listing

Continued from page 8

WEDNESDAY, FEBRUARY 4

THURSDAY, FEBRUARY 5
Electricity and Informatics Complex, Wallace Building, 3:30 p.m., Wednesday, University of California San Diego, 223 Wallace Building, 3:30 p.m., Wednesday, Feb. 4

THURSDAY, FEBRUARY 5
Electrical and Computer Engineering Department Seminar Series, “Recent advances in querying theory and applications in telecommunication network modeling by Atarshir S. Afla, department of electrical and computer engineering, E3-262 Engineering and Information Technology Centre, 2 p.m., Friday, Feb. 6.

FRIDAY, FEBRUARY 6
English, “Diminished Impressionability”: Alcoholism, Neuroadaptation and Pleasure in Coleridge by Thomas H. Schmid, University of Texas at El Paso, Quiet Room 111 St. John’s College, 10:30 a.m., Friday, Feb. 6.

Elizabeth Dafoe Library, Graduate Student Lectures. The Metis: Complexities of Identity by Kris Friesen, education administration, foundations & psychology, Faculty of Education, Iceland Board Room, Third Floor, Elizabeth Dafoe Library, 12:30 p.m., Friday, Feb. 6.

WEDNESDAY, FEBRUARY 11

Agricultural and Food Sciences Faculty Seminar Series, Colony Collapse in Honey Bees: Mysterious Disorder or Death by a Thousand Cuts? by Robert Currie, department of entomology, 130 Agriculture Building, Carolyn Sifton Lecture Theatre, 3:30 p.m., Wednesday, Feb. 11.

FRIDAY, FEBRUARY 13
Chemistry, Topic TBA by Galen Sedor, department of chemistry, University of Manitoba, 507 Tier Building, 2:30 p.m., Friday, Feb. 13.

Biological Sciences: Darwin Days Celebration, Darwin backwords while looking forward by Barry Glickman, professor of zoology, 130 Agriculture Building, 7:30 p.m., Thursday, Feb. 13.

Under Rich Earth at U of M

The International Centre for Students at the University of Manitoba is hosting a screening of “Under Rich Earth,” the story of an extraordinary collaboration between humble family farmers and the powerful global mining industry.

Under Rich Earth filmmaker Malcolm Rogge was born in Winnipeg and is a graduate of the University of Manitoba (BA Hons 1994). Filmed over a two-year period in the remote Intag valley of Ecuador, “Under Rich Earth” premiered internationally at the 2008 Toronto International Film Festival.

Smartpark to hold open house

Smartpark Research and Technology Park is hosting an open house for Fort Richmond residents at 6:30 p.m. Monday, Feb. 9 in the Lobby Boardroom, 155 Innovation Drive, Smartpark. The open house will be an opportunity for community members to learn about the latest developments at Smartpark and raise any questions they might have. If you plan to attend RSVP lee_malcolmson@umanitoba.ca or phone: 474-7975.

ACADEMIC JOB OPPORTUNITIES

A full listing of employment opportunities at the University of Manitoba can be found at ucanuma.ca. The University of Manitoba encourages applications from qualified women and men, including members of visible minorities, Aboriginal peoples, and persons with disabilities. All qualified candidates are encouraged to apply; however, in the remote program, indigenous candidates will be given priority. Please include the position number when applying for openings at the university.

FACULTY OF DENTISTRY
School of Dental Hygiene
Instructor I
Start Date: As soon as possible
Salary: Commensurate with qualifications and experience
Application deadline: Feb. 29, 2009

Position: Contingent geographic full-time clinical psychologist at the assistant or associate level
Start Date: April 1, 2009
Salary: Commensurate with experience
Application deadline: Feb. 29, 2009

For information: Dr. Bob McIlwraith, department of clinical health psychology, Faculty of Medicine, University of Manitoba, Pte. 350 - 771 Bannatyne Ave., Winnipeg, MB, R3E 3N4, phone 787-8376, fax 787-3755, e-mail: bmcilwraith@hsc.mb.ca.

Department of Clinical Health Psychology
Position: Post-doctoral fellowship in primary care oncology for information: Dr. Bob McIlwraith, department of clinical health psychology, Faculty of Medicine, University of Manitoba, Pte. 350 - 771 Bannatyne Ave., Winnipeg, MB, R3E 3N4, phone 787-8376, fax 787-3755, e-mail: bmcilwraith@hsc.mb.ca.

Department of Community Health Science and Family Medicine
Cancer Care Manitoba
Position: Post-doctoral fellowship in primary care oncology for information: Dr. Alan Katz, Post-doctoral fellowship in primary care oncology, Manitoba Centre for Health Policy, University of Manitoba, 408-727 McDermot Ave., Winnipeg, MB, R3P 2E5.

Other Academic Job Opportunities

Join the Department of Biological Sciences in celebrating the 150th anniversary of the publication of Charles Darwin’s The Origin of Species, and the bicentennial of Darwin’s birthday with two public lectures.

Darwin Backwards While Looking Forwards
Dr. Barry Glickman, University of Victoria, Friday, February 13th 2009 7:30 PM.

Feb that Climb Waterfalls and Other Facts that Charles Darwin Would Have Loved
Dr. Barry Glickman, University of Victoria, Friday, February 27th 2009 7:30 PM.

Robert B. Schultz Lecture Theatre, Room 172, St. John’s College, 92 Dysart Road

The Bulletin welcomes Classified Ads. The rate for ads is $5 for the first 45 words.

CLASSIFIED ADS

Starting a business? Don’t know where to turn?

Get free information* from the L. Kerry Vickar Business Law Clinic at the Faculty of Law

The clinic is designed for entrepreneurs who require information regarding new business organizations: incorporation, partnership, sale, property interest and non-profit. Call 474-9949

*students do not give legal advice
Kinky nano engineering

BY SEAN MOORE

Kinks are rarely, if ever, a cause for celebration, unless that kink is propagating through a carbon nanotube.

"The kink propagation effect through a carbon nanotube, identified through my research, is exciting and encouraging to researchers in this field," Quan Wang, mechanical and manufacturing engineering professor, said.

As Canada Research Chair in Solid Mechanics, Wang has been characterizing the fundamental properties of carbon nanotubes (CNTs) and recently applied those findings to a practical research project: developing a way to transport atoms down the tube using molecular dynamics, of helium atoms being transported through a single-walled CNT. The tube’s diameter was 0.63 nanometres; a nanometer, to jog your memory, is 10^-9 meters, which is so small that this comma, is half a million nanometers across.

The ability to transport molecules through nanotubes would be a boon to drug delivery systems. A doctor could, for example, direct a cancer drug to the exact spot where it will do the most good, thereby avoiding any collateral damage such drugs may cause to other healthy tissues. Other potential applications include nanorobotics, helium energetics, micropumps, microarrays, atom optics, chemical process control, and molecular medicine.

Some researchers have tried to transport atoms down the tube using waves (think of a cork bobbing ashore).

Wang, however, has a good grasp of civil and mechanical engineering concepts and began testing whether instability itself – something disastrous in engineering structures – can move an atom along.

It can. By applying torsion to the end of the tube, a kink, or instability, appears. The key point though is this kink travels the length of the tube pushing what’s ahead of it out the other end. When the force is removed from the carbon nanotube it springs back to its original shape.

"I started my nano research in 2003 and most of it has been on fundamental and theoretical points so as to answer questions like whether civil and mechanical engineering principles can apply to nano science.

"Simulations verified the theories and uncovered new potential for carbon nanotubes. The results are very exciting." Wang’s future work will be aimed at finding the optimal operating temperature, applied force, and nanotube diameter. He will also begin using larger molecules.

To date, 128 international journal papers by Wang have received more than 770 SCI citations. He also serves on 12 journals’ editorial boards and acts as a technical review for 34 international journals.
Looking at the big picture
Crooks hopes to match nursing program to student goals

Meet
The Dean

BY DALE BARBOUR
The Bulletin

There’s something to be said for an economy of scale. It’s something that Faculty of Nursing dean Dauna Crooks has come to appreciate since joining the University of Manitoba in July 2007 after spending most of her career in Ontario. “It’s a different kind of place,” Crooks said. “The difference was in the way the province cared for itself.”

But the real difference is how plugged in the University of Manitoba is to the province. Crooks was soon after taking up her position, she set up a meeting with Health Minister Theresa Oswald.

“I was thinking I was just going to speak with her alone, because that’s what would happen in Ontario,” Crooks said. “But when I arrived at the meeting the table was full of people. So I met ministers from different divisions, and we were able to talk about what was I thinking, where the Faculty of Nursing was going, and what the ministry saw as priorities and where they were going. The government is our major funder and it was just a wonderful way to start.”

That experience wasn’t unique. She found Manitoba Health, the Assembly of First Nations Chiefs and a long list of other groups involved with community health care to be equally keen to see what the U of M was doing.

“In Ontario a number of universities and colleges vie for resources and attention. Here’s it’s different,” Crooks said. “It’s not that we’re only the game in town for nursing, we’re not. But you don’t have to juggle that sort of political manoeuvring.”

“I think it’s the economy of scale that you find here. Ontario is a mish-mash of conglomeration of things, and they don’t all speak to each other.”

Cooking in a collegiality also extends to how the university operates.

“The other thing that is really different here was the fact that deans, myself included, are asked for their opinion and it actually matters. In Ontario it would be the president who speaks for everybody,” Crooks said.

Since she arrived at the U of M, the faculty has revised its masters program. “It was a specialty program,” Crooks said. “The faculty were excellent mentors, and our students were really keen to see what the U of M was doing.”

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Crooks was involved in the graduate and doctoral level curriculum at McMaster and had been looking for her current goals at the University of Manitoba. But she also moved on to study breast cancer, at The Cancer Hospital Regional Health Centre and then director, education services, at the Hospital for Sick Children in Toronto from 2001 to 2003 and then associate chief of nursing education from 2003 to 2005.

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