On top of the world

A pump to go, please

BY TAMARA BODN
For The Bulletin
Alaina Prokopchuk may be living in the snow- and land-locked city of Winnipeg right now, but her ambitions as a master’s student and soon-to-be professional landscape architect make her one of the city’s realest residents if a flood were to contaminate the city’s drinking water. To take that one step further, Prokopchuk’s concept, a solar-powered, portable, inflatable filtration unit called a sWell could have global applications.

“sWell is an inflatable filtration unit much like a large raft with intake and outtake pumps,” the 26-year-old explains of the design, which has earned her an invitation as one of five students in the world to go to Tasmeem Doha 2007, an annual design conference in Qatar. “I can see its value in both small and large scale crises, where water could be the first thing to become contaminated.”

At 4.5 m in diameter, the device is large enough to provide shelter, act as a raft or be pulled up to and anchored to a small boat. From a protruding faucet on the top of the module, the unit can be quickly deployed in place of bottled water, as it has the ability to rapidly filter flood or grey water into potable water and be safe for humans and animals. “sWell is a self-sufficient unit that would function for the duration of the crisis and in the aftermath, alleviating some of the vast relief efforts,” says Prokopchuk, who left last Saturday for Doha, Qatar.

“sWell also has non-disaster applications such as for bodies of water with high algae blooms, e-coli, or other water-borne parasites and viruses. For her master’s thesis, however, which Prokopchuk hopes to defend this summer, her focus is on Bangladesh, where global warming has made its presence known through monsoons, massive flooding and surging seawater levels. The World Bank reports that 80 countries have water shortages that threaten health and economies while 40 per cent of the world has no access to clean water or sanitation.”

See ARCTIC/P. 2

Polar year

On March 1, and CFL researcher Tim Papakyriakou with the new International Polar Year commemorative stamp set at a ceremony on March 1.

The “canary in the coal mine” is about to be studied more than it ever has been before. The University of Manitoba joined the rest of the world on March 1 in kicking off International Polar Year set to run 2007-08. The Ottawa portion of the announcement unveiled some $150 million of new research money dedicated to more than 40 Canadian projects which will study the environmental, climatic and social changes taking place in the Polar regions, with a strong focus on the Canadian Arctic.

The Circumpolar Flaw Lead (CFL) System Study led by David Barber, Canada Research Chair in Arctic System Science and director of the Centre for Earth Observation Science (CEOS) at the University of Manitoba was officially unveiled at the University of Manitoba and represents a major International Polar Year Project.

Barber said it will be only the fourth International Polar Year ever held and the first since 1957-1958. It involves 60 countries, and is expected to spark research programs worth hundreds of millions of dollars worldwide. For people like Barber, who specializes in the study of Arctic ice, it truly is a once in a lifetime opportunity.

“A polar year comes along once in the lifetime of a scientist so for those of us in the field this is our one kick at the can,” Barber said.

The timing of this polar year is critical. While the world is talking about climate change, Barber said it is the earth’s polar regions that will experience the impact first and most dramatically.

“The poles are the ‘canary in the coal mine’ because they can show us what we’re going to eventually see in the more tropical areas,” Barber said.

The Circumpolar Flaw Lead (CFL) System Study will focus on the “flaw lead” system, a circumpolar phenomenon created when the central Arctic ice pack moves away from coastal ice, leaving areas of open water.

The open areas created when the ice withdraws are some of the most fertile areas in the Arctic Ocean – even in winter when the area is in perpetual darkness. Barber said the warmth created by the open water acts as a sort of oasis in the Arctic. But with global change already happening, the open areas could be an example of what is to come.

“We are now losing Arctic sea ice at a rate of about 70,000 square kilometers each year, and we really need to understand the effect this will have on the whole circumpolar region,” Barber said.

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See ARCTIC/P. 2
Arctic ‘oasis’ to be studied

From Page 1.

"Flaw leads are early indicators of what the Arctic will look like in the future, and nobody has studied the flaw lead system in a detailed way before. Our project is looking at this system from virtually every angle. We will be examining the entire ecosystem from viruses to whales, and developing new models for accurately predicting future conditions," Barber said.

The University of Manitoba-led IPY project will examine the importance of climate processes in changing the nature of the flaw lead system in the Northern Hemisphere, and the effects these changes will have on the marine ecosystem, the transport of contaminants, and the exchange of greenhouse gases across the interface between the ocean, sea ice, and the atmosphere. The project will also include a cultural component, with researchers relying on the knowledge and first-hand experience of northern residents to help guide their work.

"We are extremely proud of Dr. Barber and his team," said University of Manitoba president Émile Naasmany. "This project builds on years of outstanding northern research at the University of Manitoba, and it will provide vital new information about the effects of global climate change on the environment and peoples of the circumpolar Arctic."

As part of the March 1 launch, Canada Post presented the University of Manitoba with a framed print of its new IPY commemorative stamp set.

"All the stamps Canada Post issues each year are designed to celebrate and promote our country and our history, our heroes and our leading personalities, and the achievements and passions of our people," said Frank Loewen, director of process design and improvement at Canada Post. "Canada Post is pleased to recognize the Arctic researchers at the University of Manitoba for the leadership role they are playing during International Polar Year."

The CFI System Study will be conducted aboard the Canadian Research Icebreaker, the Amundsen. The ship, which has been converted to serve as a floating laboratory, will over-winter in the flaw lead system for 10 months, which will be the first time this has ever been done.

To learn more about the Canadian Flaw Lead System Study, please visit the project’s Web site: web.mac.com/barber1HR/DWeb/IPY-CFI.

To learn more about Canada’s International Polar Year initiatives, please visit the Government of Canada’s International Polar Year Web site: www.ipy-api.gc.ca.

THE SEARCH FOR A NEW PRESIDENT AND VICE-CHANCELLOR

Open Invitation to Town Hall Meetings

The Presidential Search Committee is engaging in a community consultation process to establish the criteria for the search and guide the committee’s evaluation and recommendation of candidates. The committee is holding open town hall meetings on both the Fort Garry and Bannatyne Campuses of the University of Manitoba to which all members of the University of Manitoba community are invited to provide views on the following questions:

1. What are the key internal issues, challenges, and opportunities that will be facing the University of Manitoba in the next decade?
2. What are the key external issues, challenges, and opportunities that will be facing the University of Manitoba in the next decade?
3. What should the Committee seek in potential candidates for President, in terms of:
   a. Academic and professional qualifications
   b. Administrative and management experience and abilities
   c. Personal characteristics and style
   d. "fit" with the University of Manitoba
4. Based on your experience of the University of Manitoba to date, what goals and aspirations do you have for the University over the next decade? What are your expectations of a President in working to achieve those goals?

The dates, times and locations of the Town Hall Meetings are as follows:

Fort Garry Campus: Thursday, March 22, 2007
12:00 noon to 1:30 p.m.
Senate Chamber
Room E3-262 Engineering and Information Technology Complex

Bannatyne Campus: Monday, April 2, 2007
12:00 noon to 1:30 p.m.
Theatre B – Basic Medical Sciences Building

If you cannot attend either of these sessions or prefer to send comments in writing, written submissions can be sent to the Secretary of the Presidential Search Committee, Mr. Jeff Leclerc at the following address:
Mr. Jeff Leclerc
President, IPY-Canada
University of Manitoba
Fort Garry Campus
530 Bannatyne Avenue
Winnipeg, MB R3T 2N2

The Bulletin publishes notifications of 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 events notices to: barbourd@ms.umanitoba.ca.

Advertising Policy

With the exception of advertisements from the University of Manitoba, ads carried by The Bulletin do not represent the 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 Bul- lettin will also reject any advertisement which contravenes the university’s internal policies, equity/human rights or code of conduct.

The Bulletin can be viewed online at umanitoba.ca/bulletin
We’re celebrating 130 years of excellence
The university bolsters “intellectual capacity” of Manitoba

BY MICHAEL MARSHALL
For The Bulletin

The University of Manitoba celebrated 130 years of achievement and excellence on Feb. 28 with two birthday events featuring speakers and dignitaries, cake and balloons, and even a couple of choruses of Happy Birthday.

Starting the celebration in the Engineering and Information Technology Complex (EITC) atrium at the Fort Garry campus, University of Manitoba president Emile Szathmáry spoke of the university’s history and value to the province since it was founded in 1877.

“The University of Manitoba was the first university in Western Canada, and it obtained its guiding philosophical compass early, long before other universities in the western world recognized the value of that compass,” she said. “I am referring specifically to the notion that, universities should be places where excellence is pursued, no matter what.”

Szathmáry also noted the far-reaching influence of many of the University of Manitoba’s 170,000 graduates.

“University of Manitoba alumni include community leaders, champion athletes, Rhodes Scholars and Order of Canada recipients. They are your dentists, your doctors and your lawyers,” she said.

The president also highlighted the university’s many achievements in research – from the development of Canola and WinRho, to leading-edge research in HIV/AIDS and global climate change – and how those achievements have had an effect both locally and globally.

“These advancements improve the lives of our next door neighbours and of residents in small villages half a world away,” she said.

Garry Sran, president of the University of Manitoba Students’ Union (UMSU), spoke of his appreciation for the University of Manitoba from a student’s perspective.

“I chose the University of Manitoba because of its reputation for first-class education,” he said. “The University of Manitoba has allowed me to grow and give back to the community.”

Advanced Education and Literacy minister Diane McGifford agreed with Sran.

“For those who aren’t aware, the University of Manitoba was established in 1877 to confer degrees on students preparing to graduate. I personally am always in your debt,” McGifford said.

“I simply don’t know where we’d be in this province without the University of Manitoba.”

At the very least, we’d be a lot less educated. Alumni Association president Rennie Zegalski noted that since the University of Manitoba’s 100th birthday in 1977 some 111,000 people have earned at least one degree from the University of Manitoba.

“That’s a lot of intellectual capacity made possible by the University of Manitoba,” Zegalski said.

Revelers sang Happy Birthday and were treated to cake after the presentations. The party then moved to the Bannatyne campus for more celebrations.

For those who aren’t aware, the University of Manitoba was established in 1877 to confer degrees on students graduating from its three founding colleges – St. Boniface College, St. John’s College, and Manitoba College.

In 1900 the Manitoba legislature changed the University Act so that the university could do its own teaching, and in 1904 a building in downtown Winnipeg became the first teaching facility with a staff of six professors, all of whom were scientists. By 1929, following the addition of more programs, schools, and faculties, the university had moved to its permanent home in Fort Garry.

The Robert and Elizabeth Knight Distinguished Visiting Lecturer
THE UNIVERSITY OF MANITOBA

What To Do About the Growing Tensions Between Science and Society

PETER CALAMAI
National Science Reporter, Toronto Star

Peter Calamai is one of Canada’s leading science journalists. A founding member of the Canadian Science Writers Association, he is a three-time winner of Canada’s highest print journalism honour, the National Newspaper Award. Mr. Calamai will discuss the widening gulf between science and society, including the way that science is portrayed in the media.

Tuesday, March 13
8 p.m.
343 Drake Centre, Fort Garry Campus
All are welcome | Free admission

For more information, please call 474-6915

researchCAP presents
This lunch hour has 33 minutes Speaker Series
Promoting research and ideas within the university community.

Jitender Sareen
Associate Professor, Psychiatry & Community Health Sciences

Research is a Team Sport: Local, National and International Collaborations in Psychiatric Epidemiology Research

Dr. Sareen will describe his research program in psychiatric epidemiology, focusing on the collaborations he has developed with researchers around the world. He will discuss a number of research areas, including anxiety disorders, suicidal behaviour, mental health service use, Aboriginal suicidal behaviour, and the mental health of Canadian Armed Forces personnel.

Tuesday, March 20, 2007 at 12:00 noon
Private Diningroom
The University Club, Pembina Hall
$4/person (lunch provided)
Space is limited. Registration is required.
Telephone 474-9020
Email: kim_stefaniuk@umanitoba.ca

ONE UNIVERSITY. MANY FUTURES. umanitoba.ca

The Bull...
In March 2006 the Harvard University Gazette reported that Harvard University would “reinforce its commitment to opportunity and excellence across the economic spectrum” by expanding its aid to students from low and middle income families. The Gazette was referring to a plan conceived in 2004 to admit deserving students who lacked the financial means to attend Harvard. By 2006 two-thirds of low-income students were receiving financial aid, and the average grant in 2007 was expected to be US $33,000. Equality of opportunity was the reason given for Harvard’s initiative. Elsewhere, Harvard’s president stated that his goal was to have 10 per cent of enrolment comprised of low-income students.

Equality of opportunity for improving one’s life is a notion that resonates across North America, and improving one’s life course through higher education is a notion to which a significant proportion of Canadians also subscribe. The degree to which this concept is held by supporters of the University of Manitoba was made clear to me during the Building on Strengths capital campaign in which the Development and Alumni Services Office noted that $4 million could be raised for student support, but in fact, over $41 million was raised, including $18 million from students and friends from the Manitoba Scholarships and Bursaries Initiative (MSBI). Though some donors specified their gifts to be distributed immediately, the need for the funds was evident, so that successive generations of students could be assisted. Manitobans believe that deserving students should have financial support to study at university, and they gave accordingly. Their attitude is hardly surprising, given that in 1883 the university’s first benefactor, Alexander Kennedy Isbister, left the institution $85,000 for scholarships and prizes to those who merited them, regardless of their “sex, race, creed, language or nationality.” Manitobans have long believed that good minds exist in all sectors of humanity, and talented individuals should have equal opportunities for education, which is the key ingredient to upward mobility and socio-economic success.

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The University of Manitoba has long believed that good minds exist in all sectors of humanity, and talented individuals should have equal opportunities for education, which is the key ingredient to upward mobility and socio-economic success. The province pays the remainder of their fees to their home institutions. Given the size of the University of Manitoba, that 10 per cent rebate equaled $8.2 million in 2005-06 alone.

One might believe that such measures would indeed change the profile of the student body at the University of Manitoba, hence, or we were not surprised when the Council on Post-Secondary Education (COPSE) asked us to determine the proportion of our students drawn between 1999-2000 and 2003-04 from four socio-economic status (SES) groups in Manitoba. The years marked enrolment before and after the implementation of the tuition freeze and tuition rebate. The approach to be used had been developed and validated by the Manitoba Centre for Health Policy, using postal codes to identify SES neighbourhoods and regions. Last fall I asked the Office of Institutional Analysis (OIA) to repeat the analysis to bring its observations up to date. Would it find, for example, that since 1999-2000 low-income students had increased to comprise 10 per cent of our student body – the percentage that is Harvard University’s goal?

Unfortunately, the findings were different. Relative to the 1999-2000 baseline, there is no question that we are attracting more students from each of the four SES groups in Manitoba – the most advantaged, the middle class, the low-middle segment, and the most disadvantaged. However, representation from the most disadvantaged group appears to have decreased by 2005-06, from 7.1 per cent to 6.9 per cent of the total student body, whilst the low-middle group appears to have increased from 14.1 per cent to 14.6 per cent.

Changes such as these matter if they are real – that is, they are statistically significant – but analysis showed that the proportions of the student body represented by the most disadvantaged and the low-middle SES groups, respectively, have not altered significantly since 1999-2000. On the other hand, the percentage comprising middle class students has actually dropped from 65.5 per cent to 64.5 per cent – a statistically significant change – whilst the proportion of students from the most advantaged socio-economic sector has increased from 13.5 per cent to 14.0 per cent, an increase that is also statistically significant.

In the light of such findings, one has to ask if the measures our government has implemented to enhance access to university have been effective. Yes, there has been growth in student numbers, but enrolment surges occurred across Canada over the same time period, organised by the cost of tuition. Without an appropriately designed study it is impossible to know if student choice is reflected in the proportion of middle class students comprising the student body, or if that change arose as a consequence of shifts in enrolment in all SES categories. What is unambiguous, however, is the combination of a tuition freeze and a tuition rebate has not significantly improved the proportion of low income students enrolled here. At the same time, a greater proportion of the student body is made up of the most socio-economically advantaged students, who are least likely to need either low tuition or a tuition rebate to attend university.

Manitoba Canada reported recently that only 12 per cent of the gap between students from the top and the bottom income quartiles in post-secondary institutions is related to financial aid. Tuition freeze and tuition rebate has not significantly changed the profile of the student body, whilst the low-middle group appears to have increased from 14.1 per cent to 14.6 per cent.

President’s Perspective by Emőke Szathmáry

California’s role to date has been in education, which is the key ingredient to upward mobility and socio-economic success.
Earned some recognition or an award? The Bulletin wants to celebrate with you. Please e-mail information about your Mark of Achievement to barbourd@ms.umanitoba.ca. Feel free to include a picture of yourself. We’ll need a 200 dpi jpeg image. If you would like to chat about the details or picture, please call 474 8111.

**Order of Canada**

On Feb. 20, Michaëlle Jean, Governor General of Canada, announced that a distinguished professor and a senior scholar at the University of Manitoba have been appointed to the prestigious Order of Canada.

Francis A. Plummer, distinguished professor of medicine and medical microbiology and associate professor of community health sciences, has been named an Officer of the Order of Canada. Plummer is also the scientific director general of the National Microbiology Laboratory, Public Health Agency of Canada.

Evelyn Shapiro, senior researcher with the Manitoba Centre for Health Policy, professor and senior scholar in the department of community health sciences, and research associate of the Aging in Manitoba in the department of community health sciences, has been named a Member of the Order of Canada.

Plummer, O.C., is one of the world’s leading specialists on HIV/AIDS. He is a graduate of the University of Manitoba and joined the university faculty in 1984 to direct the university’s research workers in Nairobi, Kenya. Plummer led the team that showed that some sex workers in Nairobi are resistant to HIV infection in spite of repeated exposure to the virus.

Shapiro, C.M., is an expert on aging and health. She has written extensively on the determinants of health among the elderly, the predictors of their use of health care services, and the impact of social policy on community and long-term institutional care.

The Order of Canada is the country’s highest honour for lifetime achievement. A ceremony to receive the Order of Canada insignias from the Governor General will take place later in the year.

**APPOINTMENTS**

**TONY IACOPINO**

Tony Iacopino has been appointed dean, Faculty of Dentistry for a five-year term beginning July 1. Iacopino will also hold a tenured professorial appointment in the department of restorative dentistry.

Iacopino obtained a BA (biological sciences) from Rutgers College, a DMD (1986) and a PhD (1990 in biochemistry/molecular biology) from the University of Medicine and Dentistry of New Jersey. In addition, Iacopino has obtained certification in prosthodontics (1990), TMJ craniofacial disorders (1990) and geriatrics and gerontology (1991).

In 1988, Iacopino began his academic career as a research associate. In 1991 he was appointed as an assistant professor at the Baylor College of Dentistry and also held an appointment as assistant professor (adjunct) at the University of Texas Southwestern Medical Centre from 1991 to 1999. Iacopino was promoted to associate professor with tenure at Baylor in 1997.

In 1999 he was offered and accepted a position as associate dean research graduate studies and associate professor in the division of prosthodontics at the Marquette University School of Dentistry, Wisconsin. He was later promoted to professor with tenure in 2002. He also accepted the appointment as director, Wisconsin Geriatric Education Centre, a federally-sponsored consortium providing interdisciplinary geriatrics/gerontology education to health professionals, paraprofessionals, and the public.

**EDMUND DAWE**

Edmund Dawe has been appointed dean, Faculty of Music for a five-year term beginning July 1. Dawe will also hold a tenured professorial appointment in the faculty.

Dawe received a bachelor of music degree from Memorial University of Newfoundland in 1982, his master of music from the University of Western Ontario in 1984, and his doctor of musical arts from the University of British Columbia in 1988. Also in 1988, he completed a summer master class with pianist Cécile Ousset in Puyruchi, France.

In 1986 Dawe was hired as a visiting assistant professor at Memorial University and then served as a subbalachent replacement in piano in 1987 to 1988. He then held an appointment as an assistant professor of piano for two years at Huntington College, Laurentian University, and in 1990 moved to Mount Allison University where he was appointed as department head from 1997 to 2003. He currently holds an appointment as a tenured professor in the department of music.

Dawe is recognized as a leader in music education and programming. He has performed regionally, nationally and internationally. His second solo CD was nominated as a best classical recording in the East Coast Music Awards. He has contributed to his profession as a performer, writer and speaker. He is described as a gifted instructor and is the recipient of distinguished teaching awards. His current research is on national schools of pedagogy which combines his own pedagogical interests with the music history that inspires his piano teaching.

**JANE WATKINSON**

Jane Watkinson has been appointed dean, Faculty of Physical Education and Recreation Studies, soon to be the Faculty of Kinesiology and Recreation Management, for a five-year term beginning July 1. Watkinson will also hold a tenured professorial appointment in the Faculty.

Watkinson received a bachelor of physical education and a bachelor of arts (French) degree from McMaster University, 1970, a master of arts in physical education from the University of Western Ontario, 1971, and her doctorate degree in physical education at Michigan State University, 1977.

In 1975, Watkinson was hired as a lecturer in the School of Physical Education and Recreation, University of Manitoba. In 1974 she was hired as an assistant professor in the Faculty of Physical Education and Recreation at the University of Alberta where she has spent her academic career. She was promoted to an associate professor in 1981 and to a professor in 1987.

She has held numerous administrative appointments in the Faculty of Physical Education and Recreation at the University of Alberta, such as associate dean (research and planning) from 1988 to 1990, acting dean from 1990 to 1991, chair of the department of physical education and sport studies from 1992 to 1994, associate degree research and graduate studies from 1995 to 1999 and associate dean (academic) from 2001 to 2003. She is currently appointed as a professor within the faculty and has been assigned responsibility by the provost, to explore the major issues in graduate studies at the University of Alberta and provide recommendations for the senior administrative team.

**The 2007 Sidney Warhaft Memorial Distinguished Visiting Speaker**

**JAMES ELKINS**

School of the Art Institute of Chicago, Chair in the Department of Art History, Theory, and Criticism and Head of History of Art at the University College Cork, Ireland.

**Report on a Work in Progress, Written Against Roland Barthes’s Camera Lucida**

Monday, March 12, 2007 at 8:00 pm. Winnipeg Art Gallery, Manitoba, Canada.

Free Admission. Reception to follow.
Language through the eyes of a skeptic

Books
by University Staff

BY DALE BARBOUR
The Bulletin

What does the word freedom mean to you? How about truth? Democracy?

Plato argued that the reality people perceive around them is just a reflection of a greater more perfect reality and that it was the job of philosophers to bring people closer to that greater reality. A religious person might describe that greater reality as the hand of God. A skeptic would say it doesn’t exist at all.

For Neal, the challenge for the skeptic comes when he or she is confronted with writers who do believe in a transcendental reality and, indeed, base their work on it. It was a challenge that came into focus for Neal when he was confronted with the work of Leonard Krieger.

"Krieger was a Cold War historian who thought that the history of ideas was a weapon to be used at a sophisticated level in the conduct of the Cold War," Neal said. It sounds a little Machiavellian but Krieger had good intentions. Born in 1918, he had lived through the great depression and the Second World War. He had seen democracy fail spectacularly in interwar Germany and had walked away with the belief that history needed to be trimmed to mold public behaviour in the right direction.

Krieger operates on the assumption that scholars and public figures can use key phrases from the historical spectrum that operate in a platonic space separated from the world in which we live," Neal said. So words such as freedom, democracy and truth are sprinkled throughout their writing and used in a way to denote higher meaning. Krieger assumed people would understand the higher meaning of the words and respond accordingly. “He believed that a well tutored electorate can be trusted to move in the direction of what democracy and freedom really mean," Neal said.

But for Neal there are two problems with Krieger’s effort - as a skeptic he doesn’t perceive the transcendental meaning that Krieger had intended his audience to take from his work. Neal says words such as truth, freedom and democracy just don’t have the same higher meaning to skeptics, which makes the use of such words by Krieger outright confusing. Particularly when they are used in a public context that one would assume is free of such coded meanings.

Secondly, in an effort to trim history, Neal says Krieger engaged in the slippery use of language. Trimming the historical debate to suit contemporary politics may be well-intended, but the practice is morally suspect. The meaning of keywords, like democracy, freedom and truth simply cancel themselves out. Concerned citizens, serious students and skeptics seeking moral guidance are frustrated in their search for meaning. Krieger leads us to a world where language deconstructs. The higher meanings of key words like freedom and democracy have been trimmed away. The heritage culture becomes merely a rhetorical tool.

His language put Krieger in an ethical dilemma – a dilemma that Neal says can be traced back to the Enlightenment. Since the Enlightenment has profoundly influenced modern history, the same sort of debates over meaning that were being argued by philosophers such as Hume, Kant and Hegel still have currency today.

In the end, Neal’s efforts to interpret the charged language being used by authors such as Krieger provides a warning to contemporary writers on the need to communicate clearly and to use language in such a way that it can be read without an assumption of a guiding higher force providing it with meaning. It also shows how skeptics have to navigate the ethical quandary that Krieger illustrated.

Institute of Cardiovascular Sciences

Director

The University of Manitoba and St. Boniface General Hospital invite applications for the position of Director of the Institute of Cardiovascular Sciences to lead and develop a world-class cardiovascular research program at St. Boniface Hospital Research Centre. The applicant will be expected to demonstrate an ability to lead, manage and provide mentorship to a large group of both new and established scientists. The successful candidate is expected to have a strong publication record and evidence of an international reputation in cardiovascular research. Excellent oral and written communication skills are essential. Evidence of a history of success in receiving grant funding and knowledge of the peer review process would be expected. Applicants should have a Ph.D. or its equivalent in a relevant health research area (cell biology, biochemistry, pharmacy, pharmacology, physiology, etc.). Other strong programs also exist in the Centre in stroke, nutrition, virology and neurodegenerative diseases. The successful applicant will be expected to promote scientific interactions within these programs and with individuals, as well as programs and departments in the Faculty of Medicine and the broader university community. The applicant must currently hold a senior tenured or probationary academic appointment in an appropriate Faculty and Department at the University of Manitoba. A starting date in the Spring of 2007 is anticipated.

The University of Manitoba and St. Boniface General Hospital encourage 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, Canadian citizens and permanent residents will be given priority.

For confidential consideration, please send your Curriculum Vitae, a brief description of your cardiovascular research program, a letter stating your interest and reasons for applying for this position by Monday, March 19th, 2007. Please provide electronic copies of this information and arrange for confidential letters of assessment from two referees who are familiar with your capabilities to be sent directly to: Dr. Grant N. Pierce, Executive Director of Research, St. Boniface General Hospital Research Centre, 351 Tache Avenue, Winnipeg, MB R2H 2A6; E-mail address: gpierce@sbrc.ca

Why can’t I get active?

You promised yourself that this year was the year you were going to get active. But despite your best intentions it didn’t happen. The question is, what went wrong?

University of Manitoba recreation services director Gary Thompson wants to find an answer to that question and he’s hoping people who have been in exactly that situation can help.

“I’m wondering how and why some people can bridge the gap in terms of their intentions and behaviour and why some can’t. Some people have tried for years to be more active.”

The question relates to research Thompson is doing towards a master’s degree in recreation and but it also ties in nearly with his mandate as recreation director, which is to find ways to help everyone on campus achieve a healthy level of activity.

Prior to joining the university, Thompson worked with troubled youth. Even then he was interested in how young people from similar situations could respond to things so differently.

For this research project, Thompson is specifically looking for six employees at the university between the ages of 35 and 55 years old. But don’t expect to be grilled about your active living history. “I just want to talk to people about the gap between how active they want to be and how active they are,” Thompson said. “I just want to start hearing stories.”

Participants will be asked to take part in a 10-minute telephone-screening interview and if selected for the project will take part in two, one-hour audio interviews, and keep a “thoughts journal” for two weeks. At the conclusion of the study, participants will receive a free one-month membership with recreation services.

Participants shouldn’t expect to spring out of the research project with a new found urge for getting in shape. At this point, the goal is to understand behaviour, not change it. But through projects such as keeping a thoughts journal, participants might come away from the project with more self awareness of their own thoughts about active living.

If you are interested in participating, please phone 474-8628 for more information.

Pediatric Origins of Lung Disease: Triggers, Mechanisms and Outcomes
An international symposium presented by the Biology of Breathing Theme
Manitoba Institute of Child Health
Wednesday—Thursday, March 21–22, 2007
8:00 am — 5:00 pm

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Today’s Architecture students have a fancy tailor-made ditch to play in, but the game’s first players used a ditch on Hecla Island.

Ditchball has a proud history

For one day every year, students of the Faculty of Architecture at the University of Manitoba put aside reason, logic and design acumen in order to gnash, slide and topple their way to victory in the annual no-holds-barred-mock-rugby-on-ice-tackle-championship lovingly known as ditchball.

The game had its serendipitous beginnings in, well, a ditch. Somewhere on the side of a road on Hecla Island during the winter of 1976, a group of Architecture students on a weekend retreat got restless waiting for their professor, and a chunk of mud in a snow-filled ditch ineffectively came to be one of the heartiest student-led traditions the University of Manitoba has ever seen.

“The by the time the prof showed up we’d already picked teams,” recalled graduate Verne Reimer, now a Winnipeg architect who proclaims himself one of ditchball’s founders. “Later on, we thought our faculty needed a winter sporting event and we remembered how much we liked the ditch idea, so we invented ditchball.”

As faculty, students and alumni came together on Feb. 22 and 23 to celebrate the 30th year of ditchball on campus, it is believed it remains a one-of-a-kind event.

The question relates to research Thompson is doing towards a master’s degree in recreation and but it also ties in nearly with his mandate as recreation director, which is to find ways to help everyone on campus achieve a healthy level of activity.

Focus on lung disease

Pediatric Origins of Lung Disease: Triggers, Mechanisms and Outcomes, an international symposium presented by the Biology of Breathing Theme, Manitoba Institute of Child Health, runs March 21 to 22.

The opening lecture, Pediatric asthma main health risk factor, genetic links, and impact on lung by Scott T Weiss, Professor of Medicine, Harvard Medical School, runs with dinner at the Inn at the Forks, 7 p.m., Wednesday, March 21.

Lectures on Thursday, March 22 are held in Theatre A Basic Medical Sciences Building and include: Evolving concepts in bronchopulmonary dysplasia by Keith Tanswell, chair, division of neonatology, Hospital for Sick Children; Respiratory syncytial virus infection, airway inflammation and the induction of asthma in children by Giovanni Pedemonte, department of pediatrics, West Virginia University School of Medicine; Remodelling & inflammation in asthma: adults, children & infants by Peter K Jeffery, emeritus professor of lung pathology, Imperial College, 3 p.m., Thursday, March 22.

Institute for the Humanities: Postcolonial South Asian and African Studies, The Left in Africa: Zimbabwe as a Case-Study by Lloyd Sachikonye, Institute of Development Studies, University of Zimbabwe, 409 Tier Building, 2:30 p.m., Thursday, March 8.

Psychology, Is face recognition ‘special?’ by Marlene Behrmann, department of psychology, University of Toronto, 412 Duff Roblin Building, 3 p.m., Thursday, March 8.


Microbiology, Advances in the phenobiological production of hydrogen using purple nonsulfur bacteria, Michael Bilyj, 306 Buller Building, 3:30 p.m., Thursday, March 8.

University Public Lecture, Agricultural Phosphorus and the Environment: Challenges to Science, Practice and Policy by Andrew Sharpless, Washington Research and Education Center and professor, department of crop, soil and environmental sciences, Division of Agriculture, University of Arkansas, Carolyn Sifton Lecture Theatre, Agricultural Building, 3:30 p.m., Thursday, March 8.

University Public Lecture, Agricultural Phosphorus and the Environment: Challenges to Science, Practice and Policy by Andrew Sharpless, Washington Research and Education Center and professor, department of crop, soil and environmental sciences, Division of Agriculture, University of Arkansas, Carolyn Sifton Lecture Theatre, Agricultural Building, 3:30 p.m., Thursday, March 8.

St John’s College’s 25th annual Marjorie Ward Lecture, J.B. Tyrrell’s 1893 Harren Lands Trek: Exploration as Love Story with Audience by Berk Sprowls, Red Deer College, Alberta, St John’s College Chapel, 8 p.m., Thursday, March 8.

Engineering, Shannon’s Capacity Formula: The story told here is non technical and represents a chronology of events that lead Claude Shannon to develop his capacity formula as interpreted by Pierre’ebook, presented by Bob McLeod, electrical and computer engineering, E2-130 Engineering and Information Technology Centre, 12 p.m., Friday, March 9.

Chemistry, Synthesis and Reactivity of Group VIIIhylene and Sibylene Complexes by Dr. P. Hayes, University of Lethbridge, Lethbridge, 599 Parker Building, 2:30 p.m., Friday, March 9.

Mathematics: Grad Student Seminar, Function of matrices using function calculus by Mohamed Saifi, 415 Machray Hall, 12:30 p.m., Wednesday, March 14.

Psychology, Is face recognition ‘special?’ by Marlene Behrmann, department of psychology, University of Toronto, 412 Duff Roblin Building, 3 p.m., Friday, March 9.

Botany, Sandhills Biocomplexity: linking ecological and geomorphic stability in the Nebraska Sandhills by David Wedin, School of Natural Resources, University of Nebraska, Z201 Duff Roblin Building, 3:30 p.m., Friday, March 9.

SUNDAY, MARCH 11

Classics, The Eternal City Goes Under: Floods In Ancient Rome by Greg Aldrete, Classics, 8 p.m., Sunday, March 11.

Events continue on Page 10

Fort Garry Campus

MONDAY, MARCH 12


Arthur V. Mauro Centre for Peace and Justice, Challenges of Negotiation and International Crises, Frederic S. Pearson, professor of political science and director of the Centre for Peace and Conflict Studies at Wayne State University, 100 Fr. Jensen Theatre St. Paul’s College, 7 p.m., Monday, March 12.


TUESDAY, MARCH 13

Animal Sciences, John’s Disease and Crohn’s Disease: Is there a link? by Jenelle Bouchard, extension, and TBA by Natalie Berard, scientist, 219 Animal Sciences/Entomology Building, 11:30 a.m., Tuesday, March 13.

Visiting Speaker Human Nutritional Sciences Seminar Series: Free Radicals and ROS are Essential for Life: MrSOD, A REDOX Enzyme that Serves as a Switch Between One-Electron and Two-Electron Signaling by Garry R. Buettner, free radical and radiation biology, ESR Facility, University of Iowa, 206 Human Ecology, 2:30 p.m., Tuesday, March 13.

The Robert and Elizabeth Knight Distinguished Visiting Lecturer, What To Do About the Growing Tensions Between Science and Society by Peter Calamai, national science reporter, Toronto Star, 343 Drake Centre, 8 p.m., Tuesday, March 13.

WEDNESDAY, MARCH 14

Native Studies, Far Trade Family Histories: a material culture perspective by Alison Brown, anthropology, University of Aberdeen, 307 Tier Building, 12:30 p.m., Wednesday, March 14.
THURSDAY, MARCH 8

Research | Annual Graduate Student Research Presentations, Lentiviral vectors deliver transgene or short interfering RNA into dendritic cells without functional impairments by Liang Zhang, 12 p.m., The p110 isoform of PI3K controls resistance to cotinine major or negative regulating expansion and effector function of natural regulatory T cells by Dong Tao, 12:30 p.m., The Viewer Library 604/605 Basic Medical Sciences Building, Thursday, March 8.

FRIDAY, MARCH 9

Community Health Sciences, Seeing with new eyes: Using mapping tools in occupational and public health work by Dorothy Wigmore, occupational hygienist, ergonomist and educator, Dr. Betty Havens Seminar Room, Room 800, Medical Rehabilitation Building, 12 p.m., Friday, March 9.

Electrical and Computer Engineering: MSc Thesis Defense, A Robotic Microscope for 3D Time-Lapse Imaging of Early Stage Axolotl Salamander Embryos by Susan Crawford-Young, S211 Medical Services Building, 1 p.m., Friday, March 9.

SATURDAY, MARCH 10

The Diabetes Education Resource Project presented its annual Family Care and Research Day on Saturday, March 10 from 9 a.m. to 3 p.m., in the Basic Medical Sciences Building. There will be updates on research in the area of type 1 diabetes, with a focus on the adolescent brain. Judith Herrman, MN, PhD from the University of Delaware, registered nurse, faculty member and clinician, has been invited to take part. There will be time for families to visit information booths and interact with other families living with diabetes. There is no cost for the sessions but participants are asked to register by calling Pat at 787-1021.

National Training Program in Allergy and Asthma Research, Asha Genic and environmental associations by Clare Ramsey, departments of internal medicine & community health sciences, University of Manitoba, Immunology Library 604/605 Basic Medical Sciences Building, 5-30 p.m., Monday, March 12.

TUESDAY, MARCH 14

Obstetrics, Gynecology and Reproductive Sciences, Tubal Chip Migration & Fistula Following Tubal Ligation by Meriah Fahey, resident, department of obstetrics, gynecology and reproductive sciences, University of Manitoba, Theatre A Basic Medical Sciences Building, linked to NG002 Nursing Building St. Boniface General Hospital, 201 Thompson General Hospital, Brandon General General Hospital, 7-45 p.m., Tuesday, March 14.

THURSDAY, MARCH 15

Immunology: Annual Graduate Student Research Presentations, Mucosal immunization with IL-13 and TNFα peptide-based vaccines in the down-regulation of airway inflammation by Allan Ma, 12 p.m., Development and Characterization of a Neutralizing Anti-SARS Spike Chimeric Monoclonal Antibody by Kevin Hax, 12:30 p.m., 500 John Buhler Research Centre, Thursday, March 15.

Real Good Visiting Speaker, Ethical Reflections on Resource Allocation by Dr. Scott T. Kelley, professor, departments of bioethics and pediatrics, Dalhousie University, Samuel Cohen auditorium, Saint Boniface Research Centre, 12 p.m., Thursday, March 15.

FRIDAY, MARCH 16

Microscope for 3D Time-Lapse Imaging of Axolotl Salamander Embryos by Dong Tao, 12:30 p.m., The Viewer Library 604/605 Basic Medical Sciences Building, Thursday, March 8.

TUESDAY, MARCH 21

Obstetrics, Gynecology and Reproductive Sciences, 1 Hate Gentamicin Alternative Antiparaturm, Intrapartum and Postpartum Antibiotics by Aubrey Unescu, resident, department of obstetrics, gynecology and reproductive sciences, University of Manitoba, Theatre A Basic Medical Sciences Building, linked to NG002 Nursing Building St. Boniface General Hospital, 201 Thompson General Hospital, Brandon General General Hospital, 7:45 a.m., Tuesday, March 21.

THURSDAY, MARCH 22


MONDAY, MARCH 26

The Henry G. Friens International Prize in Health Research recipient lecture, Degenerative Brain Disorders: Genomic Studies of Multiple Sclerosis by Abhijit Banerjee, and the Black Hole Theatre presents Footprints on the Moon, an early play by Winnipeg playwright, Maureen Hunter, who has gone on to become MTC’s “house playwright” with works such as Beautiful Lake Winnipeg, Atlantis, and Transit of Venus. Footprints on the Moon is a charming, slyly funny look at why some people leave small Manitoba towns, and why some people choose to stay, what we make of our lives, and what we decide to settle for. The Black Hole has a long connection with this play: Professor George Toles helped Ms. Hunter with feedback during its writing, and the first production of the play, at the Gas Station Theatre in 1988, was directed by Craig Walls, who was our technical director for a time in the 90s. Our current technical director, Dennis Smith, was the lighting designer; the stage manager was alumna Charlene Wiest, and the part of Ireyl was played by alumna Sharen McCulloch. This version of Footprints on the Moon will be directed by senior student, Robert McCririster.

Faculty of Music

The Faculty of Music hosts recitals and performances at Eva Clare Hall, located within the Faculty of Music building on Dafoe Road. Recitals and events are free unless otherwise noted.

FACULTY OF MUSIC AT THE DAILY BREAD CAFE

Thursdays, 6 to 9 p.m.
St. John’s College

St. John’s College is partnering with the Faculty of Music to establish a series of weekly musical performances live in the Daily Bread Cafe. The performances run every Thursday throughout the academic year from 6 to 9 p.m. The performances will cover a wide range of tastes. Jazz, Opera, Classical, and New Music will all be featured, and performed by the aspiring musicians of the Faculty of Music. Every 1st & 3rd Thursday of the month will feature Jazz. Every 2nd Thursday of the month will feature Opera or Musical Theatre. Every 4th Thursday of the month will feature Chamber and New Music.

Music events

• CANCELLED: Campus Life Manitoba Jazz Social, Marshall McLuhan Hall, University Centre, 7 p.m., Saturday, Mar. 10. Tickets for the fundraiser are $25 and can be purchased in 205 Education Building during regular office hours.

Faculty of Architecture

The Architecture II Gallery is located on the main floor of the Architecture II Building. It is open Monday to Friday from 8:30 to 4:30.

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• The Bulletin publishes events involving the university community.
• E-mail events to barbourd@ms.umanitoba.ca or fax, 474 7631.
• The deadline for the March 22 Bulletin is March 14 at 4:30 p.m.
• E-mail events to barbourd@ms.umanitoba.ca or fax, 474 7631.
• The Bulletin publishes events involving the university community.
Events Listing

ACADEMIC JOB OPPORTUNITIES

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

CONFIDENTIAL, ACCURATE, PROFESSIONAL SERVICE. Focus group design, interviews, questionnaires, resumes, reports, proposals, general correspondence, data entry. Call Kathy at 694-8270 or email at twajowski@shaw.ca.

RUMMAGE SALE, St. Mary’s Anglican Church, Charleswood, 5830 Robin Blvd. at Haney, Friday, March 30, 8:00 a.m. to 3:00 p.m. May 30, 9:00 a.m. to 3:00 p.m.

CALL FOR PROPOSALS

Major Outreach Projects

The Outreach Committee is committed to enlarging and enriching the contacts between the University and all segments of the community, particularly through sharing more effectively its resources within the community and among students, faculty, and staff. It is provided through the Office of the University Outreach, its people and programs, with external constituencies that enhance the public good and the University. Guidelines and Application forms can be found under the heading “Major Outreach Awards” on the Vice-President (Academic) & Provost website: www.umanitoba.ca/academicjob opportuni ties.

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Making communities more age-friendly Centre on Aging involved in national and international projects

BY FRANK NOLAN
Research Promotion

As our population ages, cities around the world are working to develop new programs and services to deal with their growing numbers of senior citizens. At the University of Manitoba, researchers from the Centre on Aging are involved in national and international projects designed to pin down exactly what makes a community age-friendly.

“This is a huge issue, particularly in developing countries,” said Verena Menec, director of the Centre on Aging, and Canada Research Chair in healthy aging, “In North America, we’re already old, and we’re getting older. Now, for the first time ever, developing countries are also getting old, and they simply don’t have the systems in place to deal with it.”

The Centre on Aging is part of a World Health Organization (WHO) study looking at the experiences of people aged 60 and over in cities around the world. The Global Age-Friendly Cities Project involves more than 30 cities, including three in Canada. One of those cities is Portage la Prairie, Manitoba.

“The idea is to look at the similarities and differences in the experiences of seniors in as wide a range of cities as possible,” Menec said. “There is a lot of similarity in the things that seniors are concerned about around the world, but of course there are some fundamental differences depending on geography. For example, seniors in Porto have concerns about icy sidewalks, which are obviously not an issue in places like Rio de Janeiro or Delhi, but those places have their own unique challenges.”

Menec’s team conducted focus groups in Portage la Prairie that included seniors, care-providers, the business community and volunteer organizations. The study gathered information in eight key areas: outdoor spaces and buildings, transportation, social participation, communication and information, civic participation, and community support and health services. The focus groups were asked to relate both positive and negative experiences, and to provide suggestions about how things could be improved.

The team recently sent its final report on the project to Geneva, where all of the worldwide data will be compiled. The information will then be developed into new guidelines that could be used around the world to make cities more age-friendly. The WHO plans to launch a global age-friendly cities guide by the end of the year.

On a national level, the Public Health Agency of Canada has started a parallel project focused on smaller rural communities in Canada. The Age-Friendly Rural-Remote Communities Initiative involves 11 towns across the country; researchers will be conducting focus groups very similar to those held as part of the global WHO project. Menec’s team is leading the research in four communities: High Prairie, Alberta; Turtleford, Saskatchewan; the Township of Bonnechere in Ontario; and Giniw, Manitoba.

“The goal is to have the data from the communities project compiled and ready for publication at the same time as the WHO’s global age-friendly cities guide. This means that Menec and her team will be very busy for the next few months.”

“We’re certainly in a bit of a crunch, but it’s well worth it,” Menec said. “In the coming years, the worldwide impact of this demographic shift will be truly enormous, and this kind of research is an important step towards making our communities better suited to the needs of an aging population.”

Betts Lecture examines sustainable energy

BY FRANK NOLAN
Research Promotion

On March 22, renowned American chemist Nathan Lewis will be on campus to deliver the 2007 Betts Lecture in Chemistry. Named after Robert Betts, head of the Department of Chemistry from 1966 to 1975, the Betts Lectureship was established in 1989 to bring leading chemists to the University of Manitoba this year, “He will be discussing some of the current energy alternatives that we’re all very familiar with. Many of these things look great on paper, but when you take a realistic look at the costs involved, some of them have serious practical limitations. Nathan Lewis has strong opinions on these things, and he has the knowledge and credibility to back them up.”

Lewis is also very active in science education, from high school and university levels, to his work with governments. He dedicates much of his time to improving the perception and understanding of science among the general public.

“We try to choose people who are not only renowned for their own research accomplishments, but who are also able to connect to the public, and Nathan certainly fits the bill,” Kroeker said. “We are trying to use the Betts Lectureship to show the broader university community and the general public what’s going on in the world of chemistry, why it’s worth following, and how modern chemistry research directly impacts our everyday lives.”
You want it? We’ll find it for you

A Day in the Life of a document delivery supervisor

BY DALE BARBOUR
The Bulletin

So, you’re leafing through the footnotes of a book and you find a source that might have just the information you need for the essay or thesis you’re working on.

But you can’t find the source at the University of Manitoba. You know it’s out there somewhere. The question is: how do you get it?

No problem. Just take the name and title to document delivery in the Elizabeth Dafoe Library and they’ll do the rest.

“You don’t have to know where the document is coming from – all you have to know is that it exists,” document delivery supervisor Barbara Bennell said.

“So long as you know it exists we’ll bring it in. It’s our job to find it.”

No matter where it is.

“We’re members of a number of consortiums in Canada, which means generally we can find the document in Canada, but we’ll go anywhere in the world – we’ll often lend documents from the United States, Denmark, the Netherlands or England.”

The system works both ways. Along with borrowing documents, the university also lends its books to people from Canada and the world.

Bennell said with the tools she has at her fingertips, 90 to 95 per cent of the time finding a book is a breeze. She runs a search through the relevant book databases and catalogues and the book pops up.

If it is a book, Bennell said they can have it at the university in about ten days through Canada Post. Journal articles are usually scanned and sent electronically and then printed and distributed on the University of Manitoba’s side.

Bennell supervises four people in the document delivery unit. Her job, along with the routine tasks that go with a management position, is to find the items. The speed and ease with which she can do that has everything to do with technology and her own experience in the position.

“I started at the University of Manitoba in 1975 working in the education library as a secretary and in 1978 I took this job which was then known as interlibrary loans,” Bennell said.

Back then, the ability to find books wasn’t nearly as easy.

“It was horrible,” Bennell said. Even through most of the 1980s there wasn’t the sort of online catalogues that there is now, so trying to find a book meant looking through books manually or having to rely on the national library for locations.

Similarly, if they wanted to find a book in another country, they had to call or send a request to that country’s national library.

“It took forever to get anything – books or journal articles would take three weeks or longer to arrive,” Bennell said. A telex machine, essentially sending a letter by telephone, moved requests along quicker than mailing a letter, but they lacked the speed and flexibility of e-mail and electronic transfer of an article was out of the question.

Fast forward to today and Bennell said the job is a breeze by comparison – but part of what makes it a breeze is her own experience.

“I don’t have to think as much now when a request comes. I generally know where I should be searching for it – so all that time I used to have to devote to figuring out where to search I can devote to dealing with other challenges.”

The perk of the job is that Bennell gets to see, almost better than anyone, the breadth of research and subjects that are being researched at the university. And if you’re wondering, summer tends to be their busy time as professors step back from their teaching duties and immerse themselves in research.

“Particularly with the graduate students and faculty, we really get to know them because they’ll be coming around a lot,” Bennell said.


ATTENTION ALL STAFF MEMBERS

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