It’s question time
Barnard hosts university town halls

BY DALE BARBOUR
The Bulletin

The University of Manitoba has a new president and is developing a new planning document to guide its future. It seems only appropriate that a set of town hall meetings be held to tap the views of people on campus.

President David Barnard hosted the first town hall at the Fort Garry campus on Dec. 3. The second town hall runs today on the Bannatyne campus at 11:30 a.m. in Theatre A, Basic Medical Sciences Building.

Barnard kicked off the Fort Garry meeting with a report on his first six months in office and what people can expect from a new planning document, a follow up to the now completed Building for a Bright Future strategic plan.

“The new planning document should give us a framework to shape some of our longer term decisions,” Barnard said.

Ideally, it will also pinpoint strengths within the university, areas of academic activity that already have a lot of momentum and which could be strengthened to bolster the university’s reputation. But the document has to be practical as well. Typically, the university’s funding has come from tuition fees and government grants.

“We need to look at the university and see what possibilities there are for generating revenues outside those traditional resources,” Barnard said. He suggested that the Southwood property that the university recently purchased might offer such an opportunity.

“We’re going to take a solid look at the Southwood property to see how we can integrate it into the university community and it may be that there will be some room for commercial opportunities and some housing opportunities that will generate revenue and make funding the university more than just a see-saw between tuition fees and government grants,” Barnard said.

“It may be that there isn’t that opportunity there, but let’s ask the question.”

The university will also need to look at where it wants to place its resources. Barnard was quizzed on whether the university will try to strike off in new directions when it lays out its planning document.

See TOWN/P 3

World class funding

The Canada Foundation for Innovation (CFI) announced on Jan. 6 that it has awarded the University of Manitoba $2,091,296 to support new projects focused on some of the most pertinent problems of our day.

“We can say with conviction that Canada has become a place where world-class researchers want to be,” said Eliot Phillipson, president and CEO of CFI. "This CFI investment will further develop the University of Manitoba’s global reputation as a place where outstanding research and training is being conducted."

Programs being supported include:

- Mark Fry, biological sciences, received $159,837 to equip a laboratory focused on the neurobiology of obesity.
- Feiyue Wang, environmental and geography, and chemistry, will receive $389,250 to establish the Sea-Ice Environmental Research Facility, which will allow for the fabrication and growth of sea ice under various controlled conditions for microcosm-scale studies.
- Dirk Weihrauch, biological sciences, will receive $399,197 to create a laboratory that will study the prerequisite for the survival of all organisms’ adaptation to the environment.
- John Sorensen, chemistry, will receive $159,837 to equip a laboratory dedicated to examining the biosynthesis of natural products, small organic molecules, produced by microorganisms.
- Arkady Major, electrical and computer engineering, will receive $159,639 to develop a new laser microscope capable of firing extremely short pulses of light into living cells.
- This CFI investment is a welcome enhancement to our research infrastructure, and it highlights the high calibre of researchers and scholars at the University of Manitoba,” said president David Barnard. “These researchers have embarked on truly innovative research programs that have the potential to improve our health, increase our understanding of natural systems, and better our understanding of Indigenous governance.”

A complete list of the projects can be found at: www.innovation.ca.

The future of law
Chris Axworthy is putting the skills he learned as a politician and academic to use as dean.

A class act
Past Chancellor Harry Duckworth was a great friend to the University of Manitoba.

Innovative view
Civil engineering professor Aftab Mufti combines innovation and aesthetics in engineering.
**In The News**

**Listeriosis probe delayed**

January 8, 2009

Toronto Sun, Welland Tribune, North Bay Nugget, Whitler Question, Medicine Hat News, CBC, Edmonton Journal

Microbiology professor Rick Holley was in the media criticizing the federal government for its belatedness in finding an investigator to lead the inquiry into the listeriosis outbreak of 2007. Holley also reiterated his belief that Canada should implement a nationally coordinated food surveillance program to help prevent future outbreaks.

**Kangaroo burgers anyone?**

December 25, 2008

New Scientist

Animal science professor Ermias Kebreab was noted in a recent New Scientist piece that examined the possibility of substituting methane-producing cattle with non-belching kangaroos for meat. Kebreab’s research on methane emissions in Canada made the news over the holidays. Our IceCat, which is made by a Finnish company, has been noted in the media before, but received renewed national attention after the City of Toronto purchased one for Nathan Phillips Square.

**The reality of energy change**

January 9, 2009

Globe and Mail

Energy expert Vaclav Smil appears frequently in the media, and for good reason. The distinguished professor has published 25 books, including three books in the last year, making him the go-to energy expert for media heavyweights such as the New York Times. Smil argues those who believe that change in the White House will lead to rapid and sustained action in the field of energy are deluding themselves.

**Are you looking for some history?**

University of Manitoba archives and special collections has released a video tutorial aimed at helping students find historic documents.

**Be a Part of Medicine with Meaning in Manitoba**

The University of Manitoba, Faculty of Medicine, Province of Manitoba and Winnipeg Regional Health Authority have developed a unique partnership to actively support health education, research and the promotion of the highest standard of quality patient care. Focused on providing medicine with meaning, advancing knowledge and technology, and educating tomorrow’s health care professionals, it is our collaborative strengths that will lead us into the future.

**The Bulletin welcomes submissions**

Submissions can include letters from members of the university community. There is no charge for publishing. Please forward your letter of introduction, CV and the names of three references in confidence to the editor, Dale Barbour, or events taking place at the University of Manitoba or events that are of University interest.

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**The Bulletin**

University of Manitoba

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

The Bulletin welcomes submissions from members of the university community. Submissions can include contributions 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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**Schedule**

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Copy/advertising deadline: Feb. 4

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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 events notices to barbourd@ms.umanitoba.ca.

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**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 violates the university’s internal policies, equity/human rights or code of conduct.

The Bulletin can be viewed online at umanitoba.ca/bulletin.
Duckworth loved university life

Former U of M Chancellor and U of W president passes away at 93

The province lost a valuable member of the academic community when Henry (Harry) Edmiston Duckworth passed away on Dec. 18 at the age of 93, following a short illness.

Born in Brandon in 1915, Duckworth grew up in Transcona and St. James and went on to attend Wesley College (BA/35) before going on to receive a Bachelor of science degree from the University of Manitoba in 1936 and a PhD from the University of Chicago in 1942.

As a physicist, Duckworth wrote the first definitive text in English on mass spectroscopy, and discovered the last stable isotope (platinum-190). He became internationally known for his study of atomic masses and their significance to nuclear stability.

He began his career as a professor of physics at the University of Manitoba in 1945 and went on to teach at Wesleyan University, Connecticut, and McMaster University in Hamilton before returning to the University of Manitoba as vice-president (development), and then vice-president (academic). Six years later, he became the second president of the University of Winnipeg.

While there, he introduced the challenge of climbing the large boulder on the institution’s front lawn, which remains a mainstay of each year’s Homecoming celebrations.

Following his retirement in 1981, he continued to be active in academic and community affairs. In 1986 he was elected Chancellor of the University of Manitoba, and served until 1992.

Duckworth also served on a wide variety of academic and community boards throughout his career. His publications include the first definitive text in English on Mass Spectroscopy (1958, 1986 2nd ed.), a text on Electricity and Magnetism (1960), an autobiographical memoir, One Version of the Facts: My Life in the Ivory Tower (2000), and 115 scientific publications.

He was a devoted fan of university sports; in 1992 he introduced the Duckworth Challenge, an annual competition between sports teams of the University of Manitoba and the University of Winnipeg.

The University of Manitoba has named the Duckworth Quadrangle in honour of Duckworth’s years of service to higher education while the University of Winnipeg named its athletic facility, the Duckworth Centre, in his honour.


Town halls allow community input

From Page 1

And the answer is yes, but it has to be a balancing act.

“Often we’ll tell ourselves the comfortable lie that we’ll create this new program and that it will only take a small amount of resources, and we end up stretching ourselves more thinly,” Barnard said.

“We have to ask ourselves, if we’re going to do something new, is there something we should not be doing? We can’t just keep growing, because there aren’t enough resources available that we can just keep adding things.”

That doesn’t mean the university should not strive to recreate itself with new offerings. It just means being prepared to make choices along the way.

Barnard was also asked how he feels about the role of technology in teaching and learning. It would seem like a no brainer given that he has three degrees in computer science.

“Often people expect me to be very pro-information technology and they’re worried that they’ll have to rein me in,” Barnard said. “But I would like you to think of two or three of the most significant learning experiences in your life. Now, how many of you are thinking about learning from a web page? Or from a specific book?”

“When we think about significant learning moments, most of us are thinking about people and interactions we’ve had with people, or experiences we’ve had with people when we stayed up to get a major project done.”

“Technology matters, but it works best when it enhances those moments and extends the reach of faculty members.

“I’m in favour of good projects that really change the student experience,” Barnard said.
Reaching out to the community

Twelve staff members of the University of Manitoba were recognized for their outstanding community involvement through Outreach Awards at a special reception on Dec. 8. This year, recipients include individuals who help provide dental care to communities both here in Northern Manitoba and in remote regions of Africa; raise awareness of China’s history and culture; arrange clean drinking water for a Northern Manitoba community; and work to prevent violence against women and children.

The recipients for 2008 are: Analyn Cohen Baker for enriching and enriching the contacts of the University of Manitoba with the Seven Oaks General Hospital and the Winnipeg Regional Health Authority. Cohen Baker was instrumental in organizing hospital librarians to meet the needs of the WRHA Nursing Leadership Framework project.

Mary Bertone for her extensive involvement in community-based initiatives involving dental hygiene, oral health and dental services. Bertone developed oral health educational opportunities, particularly in Churchill, Manitoba, where she helped create engaging, fun and contemporary-themed approaches to health promotion.

Tina Chen for her commitment to the Chinese community and for promoting the understanding of Asian affairs among the general public. Chen was involved in providing information in support of fundraising for victims of the Szechuan Earthquake. She created a display on the Beijing Olympics for Folklorama and acted as the Master of Ceremonies Chairperson for the Chinese Pavilion.

Lancelot Coar for leading two design/build studios in the rural community of Clearwater, Manitoba. Coar’s first design/build studio involved dismantling an old school and re-using the materials to design/build a bridge, trail shelter and kitchen in a community building. The second studio involves dismantling a portion of a barn and working with the community to identify how the salvaged materials will be used to build needed community facilities.

Pam Denis for developing the Running with the Bisons program, which links youth from the Skownan First Nation with University of Manitoba women basketball players. The Running with the Bisons program, partnered with Career Trek, focuses on mentorship and leadership in promoting education and sport among the Aboriginal youth.

Raylene De Luca for her involvement with numerous community organizations that focus on solutions to violence and abuse, and for her tireless advocacy on behalf of women and children.

De Luca serves on the Edgewood Program at MacDonald Youth Services, RESOLVE, Villa Rosa and the Jessie Residential Care Home for Sexually Abused Adolescents. Kris Dick for being the driving force behind the concept and the delivery of the Alternative Village, a site on the edge of the Fort Garry campus which consists of a collection of small buildings constructed using alternative building and building-energy strategies.

Abba Gumel for enlarging and enriching the contacts of the University of Manitoba with national and international mathematical communities. Gumel created the Prairie Network for Research in Mathematical Sciences to encourage and advance the mathematical sciences in Manitoba and Saskatchewan.

Patrick McDonald for his work with injury prevention programs, specifically the ThinkFirst Foundation of Canada. ThinkFirst is a national non-profit organization dedicated to the prevention of brain and spinal cord injuries in children and youth.

Eveline Milliken for her tireless efforts to advance the notion of cultural safety within the social work practice community. Cultural safety is critical to the empowerment of marginalized populations, and Milliken has delivered numerous workshops and presentations to frontline social workers in Manitoba.

Tracey Peter for her extensive involvement in community-based work on trauma, mental health and suicide. Peter is actively involved in community work with Klinic Community Health Centre, the Winnipeg Regional Health Authority and Manitoba Health.

Kim Spears for sharing her political expertise and insights during the 2008 federal election campaign. Spears was a prominent analyst of Manitoba and Canadian political events in provincial and national media coverage this year. She made dozens of television and radio appearances, and was a regular commentator in print and online media.

Faculty of Architecture

• DEAN

With a growing, nationwide reputation for excellence and innovation, the University of Manitoba is seeking a new Dean to lead its talented and respected Faculty of Architecture. The Faculty boasts a dynamic group of faculty and staff devoted to the positive development of Canada’s future architects, city planners, landscape architects and interior designers.

The new Dean will provide creative, intelligent and visionary leadership, encourage high-caliber programs of national reputation, promote excellence in teaching and awareness of contemporary practices and technologies, and encourage opportunities for interdisciplinary study. The Dean will continue to raise the profile of the Faculty of Architecture both within the University and externally.

Reporting to the Vice-President (Academic) and Provost, and a member of the Deans’ and Directors’ Council of the University, the Dean will be a person of vision, a contemporary thinker, a teacher and scholar in a related discipline. She will bring a proven track record in higher education leadership and administration, and be able to communicate, build connections, reach out and establish good relationships with partners at all levels. Candidates will have an advanced degree in the field (doctorate preferred) or an equivalent combination of education and experience commensurate with the role.

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, Canadians and permanent residents will be given priority. Applicants may submit letters of reference which will be handled in accordance with the Freedom of Information and Protection of Privacy Act (Manitoba).

To learn more about this exciting leadership opportunity, call Alex Verdecchia or Maureen Geldart at (604) 222-2561 or send your CV and cover letter (current CV, letter of application and reference list) in confidence to The Geldart Group.

email: info@thegeldartgroup.com

The Centre for Professional and Applied Ethics at

THE UNIVERSITY OF MANITOBA

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

“Global Poverty, Ethics and Human Rights”

BY PROFESSOR STEVEN LECCE

Steven Leccé teaches in the Department of Political Studies. He is the author of Against Perfectionism: Defending Liberal Neutrality.

Monday, 26th January, 12:30-1:30

The Private Dining Room, University College

“The ethics of: Reflections on the public role of ethicists”

BY PROFESSOR DANIEL WEINSTOCK

Daniel Weinstock is a member of the Department of Philosophy, University of Montreal, and Director of The Centre for Research Ethics. He is the author of The Challenge of Pluralism.

Friday, 13th March, 12:30-1:30

160 Elizabeth Dafoe Library (The Library Theatre)

“The dog by the cradle, the serpent beneath: some paradoxes of human-animal relationships”

BY ERIKA RITTER

Erika Ritter is a novelist, playwright, screenwriter 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 is an Emergency Room specialist and cared for Mr. Golobchuk during his 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

Everyone is welcome to attend any or all of these events.
New soccer complex links U of M to city

It was a cool day in November when the new Winnipeg Indoor Soccer Complex officially opened its doors, but, of course, it was plenty warm inside.

The new multiplex cost $12.5 million to construct. It was built at the University of Manitoba’s Fort Garry campus with funding from all three levels of government, as well as a $500,000 from the Winnipeg Soccer Federation.

The new facility is owned by the University of Manitoba and leased to the Winnipeg Soccer Federation (WSF). For the University of Manitoba the new building provides a new opportunity to route some of its sports programming indoors.

But just as significantly, it provides the university with a chance to build bridges into the amateur sports community.

The sport of indoor soccer has grown rapidly in Winnipeg. The number of registered players in Winnipeg has doubled over the past 10 years, with approximately 6,500 players registered for the sport in 2006.

The clear-span design of the facility provides flexibility in the number of available playing fields. The larger playing field can be subdivided into smaller fields to accommodate a wide range of ages and abilities. Although soccer is the priority, other field-type sports can take advantage of the clear-span facility.

The environmentally-friendly facility will feature low-flow shower heads, low flush toilets, and a Power Smart electrical system, which will lower operating costs, reduce energy and water use, release fewer greenhouse gas emissions, and provide a healthier indoor environment.

With this new complex, Winnipeg is among only a handful of Canadian cities that have an indoor soccer facility that operates throughout the year.
Engineering can learn from art

Books
by University Staff

BY DALE BARBOUR
The Bulletin
Recent Advances in Bridge Engineering is both a collection of work and an argument for how engineers should approach their craft.

It's the latest book to come out of a life-long collaboration between University of Manitoba civil engineering professor Aftab Mufti,emeritus research professor of civil engineering and engineering mathematics at Dalhousie University Leslie Jaeger and JMBT Structures president Baidar Bakht.

"What you will find in the book is the work we three have done together for the last 30 years, all of our research into this area," Mufti said. It’s a unique partnership that the three began forming back when Mufti was professor and director of the School of Computer Science at Acadia University.

"We have a core which is common but there are areas of specialization where we complement each other," Mufti said. Jaeger is the go-to guy when they have math questions, Bakht was a senior research engineer with the ministry of transportation in Ontario and has the most experience in the field, while Mufti brings the expertise in laboratory testing and computer programming.

The innovations covered in the book include the work that Mufti has undertaken as president of (Intelligent Sensing for Innovative Structures) ISIS Canada, a network of centres of excellences with 15 universities across Canada.

"We’re looking at how we can make structures last 100 years rather than the way we design them now for 50 years," Mufti said. It’s an approach that has brought them to study fibre reinforced polymers, space age materials that are more commonly used in aircrafts.

Frankly, Mufti said, civil engineers could learn a lot from the innovative materials and structural health monitoring approaches that have been used in the aircraft industry.

"If you see aircraft in 1900, which is when the Wright brothers flew; and you look at the shuttle of our time you can see how much change has occurred in aerospace engineering in 100 years. And then you look back to our bridges and you say, 'What changes occurred in 3000 years?' and you come to the conclusion that much of changes that have occurred have been in the use of materials but the changes have not been nearly as fast," Mufti said.

But by tapping materials that have been pioneered in the aerospace industry, Mufti said civil engineers can work with material that is non-corrosive and which can be made ‘intelligent’ by feeding sensors directly into the structure.

Creating these intelligent structures, allow engineers to expand their study of design and construction techniques.

"In the past we have not been able to connect theory derived from testing to observation in the field and then come back and change our approach," Mufti said. Researchers could experiment in the laboratory in a controlled setting, but they were never able to give the final products the same sort of scrutiny. Now, with intelligent monitoring they can. It’s an approach that engineers have already been adopting in building construction to ensure that the building envelope in real-time is monitored for its reaction to environment and stress. Now bridges can warrant the same attention.

But along with detailing the innovative new approaches that are available to civil engineers, Recent Advances in Bridge Making also captures the philosophy that Mufti, Jaeger and Bakht have towards engineering.

"We were asked to develop a project in Pakistan and they wanted to build a structure which melded into their culture," Mufti said. That project was undertaken about 25 years ago, but it got the three of them thinking about the links between culture, aesthetics and design.

As it turns out, Mufti said, designs that look aesthetically pleasing are also, typically, structurally sound. It’s a compelling argument for engineers to take matters of art – or qualitative approaches – into account when they are making quantitative decisions about how a project should be constructed.

"Eventually it is connected with safety," Mufti said. “We know these things intuitively. Human beings, before they became engineers, used to look at things and say that’s okay, that’s fine, they had this intuitive sense of balance.”

If your 2009 New Year’s resolution is to undertake your own global adventure, then a chance at winning 1,000 AIRMILES should be just what you’re looking for.

BMO Bank of Montreal will be outside the Bookstore (University Centre) from Jan. 26 to 30 offering its no-fee University of Manitoba Mosaik MasterCard. Individuals who sign up will be entered to win 1,000 AIRMILES.

And as if that’s not enough, you’ll be supporting the U of M every time you pay with your University of Manitoba Mosaik MasterCard.

The Alumni Association Inc. of the University of Manitoba receives a portion of your card purchases – money they use to promote the U of M among current and future grads – at no cost to you!
Turning school projects into reality
EQ3 design contest lets students play with Canadian theme

BY DALE BARBOUR

The competition offers $1,500 to its winners, but the real incentive is the opportunity to see their projects become reality.

“An exciting part is they’re actually making it,” Hunter said. “It’s exciting to think that someone will be using our product.” Being part of the production process has meant heading down to EQ3’s design studio for Muir and Hunter to work directly with designers. In fact, the company liked the Maple Leaf Table so much that it commissioned them to produce it.

Similarly, Nordstrom has a goal to work with textile patterns rather than landscapes, but as with Muir and Hunter, her creative roots in the field of landscape architecture show themselves in her winning designs which capture the essence of the Canadian environment, exactly what EQ3 was hoping would happen when it held the contest.

In putting together their project, Muir said they looked through EQ3’s sales catalogue to get a sense of what the company was about. In the end they created something that captured Canada’s spirit without clubbing people over the head. “Our goal was to create something Canadian themed without being a theme clubbing people over the head. Our goal was to create something that captures the experience of a family sitting around a campfire,” Muir said. So while they’ve pulled a staple like maple wood into their design, it’s integrated into the table in a subtle manner.

From left, Landscape architecture students Leanne Muir, Kristina Nordstrom and Meaghan Hunter will have the chance to see their designs become reality after winning EQ3’s design competition. Nordstrom’s entry included the textile design at right while Muir and Hunter designed the Maple Leaf Table.

The competition offers $1,500 to its winners, but the real incentive is the opportunity to see their projects become reality. “The exciting part is they’re actually making it,” Hunter said. “It’s exciting to think that someone else will be using our product.” Being part of the production process has meant heading down to EQ3’s production area to work directly with designers. In fact, the company liked the Maple Leaf Table that Hunter and Muir designed so much that it commissioned them to make a bench to go with it.

It makes it more real because everything you do in school is on paper,” Muir said.

AWARDS OF EXCELLENCE

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University of Manitoba

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These positions encompass providing dental care to elderly patients within the long term care environment, supervision of dental students on externship rotation, as well as opportunity to be involved in research, health promotion, and policy initiatives. Clinical settings include institutional clinics, mobile clinics, and community clinics in Winnipeg. Remuneration options include salary, per diem rate, or percentage of fees generated. Employment or independent contractor agreements are possible.

Applicants eligible for Manitoba licensure should reply in confidence to:

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Winnipeg, MB R3E 0W2
Tel: (204) 789-3892 Fax: (204) 789-3991
E-mail: brothwel@ms.umanitoba.ca

Deadline for Advertisements: March 27, 2009.
Bison Equipment Desk.

Women's Hockey
Jan. 24 – Saskatchewan at Manitoba, Max Bell, 3 p.m.
Jan. 25 – Saskatchewan at Manitoba, Max Bell, 2 p.m.

Men's Hockey
Jan. 16 – Regina at Manitoba, Max Bell, 7 p.m.
Jan. 17 – Regina at Manitoba, Max Bell, 7 p.m.
Jan. 23 – UBC at Manitoba, Max Bell, 7 p.m.
Jan. 24 – UBC at Manitoba, Max Bell, 7 p.m.

Women's Volleyball
Jan. 16 – Simon Fraser at Manitoba, Investors Group Athletic Centre, 6 p.m.
Jan. 17 – Simon Fraser at Manitoba, Investors Group Athletic Centre, 6 p.m.

Men's Volleyball
Jan. 16 – Regina at Manitoba, Investors Group Athletic Centre, 7:30 p.m.
Jan. 17 – Regina at Manitoba, Investors Group Athletic Centre, 7:30 p.m.

Women's Basketball
Jan. 23 – Brandon at Manitoba, Investors Group Athletic Centre, 6 p.m.
Jan. 24 – Brandon at Manitoba, Investors Group Athletic Centre, 6 p.m.

Men's Basketball
Jan. 23 – Brandon at Manitoba, Investors Group Athletic Centre, 8 p.m.
Jan. 24 – Brandon at Manitoba, Investors Group Athletic Centre, 8 p.m.

Track and Field
Jan. 23 – Grand Prix #4, Max Bell, 12 p.m.
Jan. 23 – Grand Prix #5, Max Bell, 12 p.m.
Jan. 31 – Manitoba Indoor Games, 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.

The Bulletin
January 15, 2009

Events Listing
University of Manitoba

Presenting The Crucible
The Black Hole Theatre Company's entry in this year's MTC Master Playwright Festival is Arthur Miller's timeless classic, The Crucible.

In 1692 New England, the town of Salem, Massachusetts runs wild with accusations of black magic and consorting with the devil. This mad witch-hunt leads to trials that see many innocent people sentenced to hang and that expose the forces of religious extremism and social repression in the town. The Black Hole Theatre Company's 1950s interpretation makes explicit Miller's comparison of Salem with the McCarthy era witch-hunt and offers striking, yet complicated comparisons to today's terrorism trials and religious excesses.

The Toronto Sun had this to say about The Crucible:
"In a world obsessed with terrorism, religion and politics, Miller's master work might speak even more clearly to issues today than it did in the days when Senator Joe McCarthy was using the House Un-American Activities Committee as a cudgel to remove communism from the U.S.
"In Death of a Salesman, Miller wrote about the death of the American Dream. In The Crucible he writes with equal power about the life of a reoccurring American nightmare.

The Crucible's cast of 25 is being directed by University of Manitoba theatre program's Bill Kerr and Bob Smith. Kerr's most recent directing contribution to The Black Hole Theatre Company's entry in this year's MTC Master Playwright Festival is Arthur Miller's timeless classic, The Crucible.

Tickets: $11 adults, $9 students and seniors. Tickets can be purchased at the door. MillerFest Passes can be used at the door. For reservations and group discounts contact the 24hr box office at 474-6880.

Performances at The Gas Station Theatre, River & Osborne in the Village: 7 p.m., Jan. 22 to 24 and 26 to 31, 2 p.m. matinees, Jan. 24 and 51.

Fort Garry Campus

Monday, January 19
Margaret Elder Hart Distinguished Visitor Series
Margaret Elder Hart Distinguished Visitor Series: Partnerships in Health Promotion: Nurses Working with Communities with Sel Burrows, community activist and chair of the Point Douglas Residents committee, Kevin Chief, co-ordinator of the University of Winnipeg's Infinity Learning Centre, and Anne Durcan, program coordinator of the Inuit Health Program Northern Medical Unit, mount Carmel Clinic physician, 260 Helen Glass Centre for Nursing, 9 a.m., Monday, Jan. 19.

Tuesday, January 20
Entomology
Aging, Age determination in Anopheles stephensi using peroxidines by Hamid Basseri, visiting scientist, department of entomology, 220 Animal Science-Entomology Building, 10 a.m., Tuesday, Jan. 20.

High Performance Computing
Fouier Spectral Computing on the Sphere by David Muraki, Andrea Blazenko, and Kevin Mitchell, department of mathematics, Simon Fraser University, E2-568 Engineering and Information Technology Complex, 1-3 p.m., Tuesday, Jan. 20.

Wednesday, January 21
Centre on Aging Research Seminar Series
Margaret Elder Hart Distinguished Visitor Series: Partnerships in Health Promotion: Nurses Working with Communities with Sel Burrows, community activist and chair of the Point Douglas Residents committee, Kevin Chief, co-ordinator of the University of Winnipeg's Infinity Learning Centre, and Anne Durcan, program coordinator of the Inuit Health Program Northern Medical Unit, mount Carmel Clinic physician, 260 Helen Glass Centre for Nursing, 9 a.m., Monday, Jan. 19.

Native Studies Colloquium
Native Studies Colloquium, Moving Forward by Colleen Simard, 12:30 p.m., 507 Tier Building, Wednesday, Jan. 21.

Agricultural and Food Sciences Faculty Seminar Series
Managing Phosphorus for Agronomic and Environmental Sustainability by Wole Akinnemi, department of soil science, Carolyn Sifton Lecture Theatre 130 Agriculture Building, 3:30 p.m., Wednesday, Jan. 21.

Bringing Research to Life Speaker Series
Bringing Research to Life Speaker Series, War in Outer Space, by James Fergusson, director, Centre for Defence and Security Studies, Robert B. Schultz Lecture Theatre St. John's College, 7 p.m., Wednesday, Jan. 21.

Friday, January 23
Nursing, Faculty Perspectives of the Student Who is Weak in Clinical Practice by Judy Scanlan and Wanda Chernomas, 370 Helen Glass Centre, 12 p.m., Friday, Jan. 23.

Events continue on Page 10.
Margaret Mead film fest comes to Winnipeg

Highlights from a film festival produced by New York's American Museum of Natural History will be screened this weekend in Winnipeg. Nine award-winning documentaries from the Margaret Mead Film & Video festival will be shown at Cinematheque at 100 Sadlier Avenue. Among the line-up are films, an organization-wide association, a novel candidate gene for protection against HTLV-1 infection in highly exposed, yet uninfected Kenyan Sex Workers by James Sabinus and Application of Ultra-Deep Permeoscopy in Characterizing Genomic Diversity of HIV-1 Genes by Ben Laing.

Tuesday, January 20

Psychiatry Grand Rounds, Working Towards Resilience in Serious and Persistent Mental Illness by Stewart Wakeman, assistant professor of psychiatry, will discuss his film Grito de Piedra, a film about silver miners in Bolivia who will discuss his film Grito de Piedra, a film about silver miners in Bolivia who take tourists through the now-destitute town. His film is part of the Margaret Mead Film & Video Festival and will be shown at the Margaret Mead Film Festival on Friday, January 16.

The Black Hole Theatre

The Black Hole Theatre Company presents Miller’s timeless classic The Crucible for this year’s MTC Master Playwright Festival, MillerFest. In 1692 New England, the town of Salem, Massachusetts runs wild with accusations of black magic and concocting with the devil. This mad witch hunt leads to trials that see many innocent people sentenced to hang and that expose the forces of religious extremity and social repression in the town. The Black Hole Theatre Company’s 1950s interpretation makes explicit Miller’s comparison of Salem with the McCarthy era witch-hunt and offers striking, yet complicated comparisons to today’s terrorism trials and religious excesses.

Archives and Special Collections

330 Elizabeth Dafoe Library

FitzGerald and Friends

Curated by Marilyn Baker, PhD, Art History, School of Art
January 8 to March 31, Monday to Friday, 8:30 a.m. – 4:30 p.m.
Letters to Lionel LeMoine FitzGerald from members of the Group of Seven and Others from the FitzGerald Study Centre Collection. With a special showing of paintings by Lawren Harris from Gallery One One One, University of Manitoba and by Charles Comfort and Barker Fairley, from the University of Manitoba Archives & Special Collections. Call 474-9896 for more information.

Marcel A. Desautels 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.

Music events

• Studio FLAT (electroacoustic music), Eva Clare Hall, free admission, 12:30 p.m., Friday, Jan 16.
• Masterclass featuring Chen Zimbalista, world music percussionist, Great Hall, University Centre, 2:30 p.m., Friday, Jan 16.
• Opera Workshop presents opera excerpts at the Gas Station Theatre, 8 p.m., Friday, Jan 16, Saturday, Jan. 17, tickets at the door $15 for adults, $12 for students.
• Faculty Concert Series featuring Mel Braun, Robert Maclaren and Laura Loewen performing “Schubert’s Winter Journey,” 7:30 p.m., Sunday, Jan. 25, for tickets, call 474-6215 or 474-9310: $15 for adults, $8 for students.
• Luke Nickel, third-year flute recital, Eva Clare Hall, 8 p.m., Tuesday, Jan 27.

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, sole proprietorship and non-profit.

Call 474-9949

*Students do not give legal advice

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Events Listing

From Page 8

Elizabeth Dafoe Library, Graduate Student Lectures 2008-2009, Transformation in Governance: the Evolution of Manitoba’s Forest Policy: Tama Regime and Emerging Areas of Forest Governance by Jodi Griffith, Faculty of Environment, Earth, and Resources, Iceland Board Room, Third Floor, Elizabeth Dafoe Library, 12:30 p.m., Friday, Jan. 23.

Aboriginal Focus Programs, Pow Wow: From Yesterday to Today by Joanne Soldier, Swan Lake First Nation, Classroom C, Aboriginal Education Centre, 11 The Promenade, 1 p.m., Friday, Jan. 23.

Chemistry, Topic TBA by Oleg Korkhin, Manitoba Centre for Proteomics and Systems Biology, 359 Roblin Building, 2:30 p.m., Friday, Jan. 23.

Psychology, A behavioral approach to undergraduate teaching by Garry Martin, department of psychology, P412 Duff Roblin Building, 3 p.m., Friday, Jan. 23.

Physics and Astronomy, Gamma Knife Stereotactic Radiosurgery by Anita Berndt, CancerCare Manitoba, 350 Allen Building, 3:30 p.m., Friday, January 23.

SUNDAY, JANUARY 25

Classics, New Approaches to Roman Urban Streets by Alan Kainer, Department of Classics, University of Evansville, 257 University College, 3 p.m., Sunday, Jan. 25.

MONDAY, JANUARY 26


TUESDAY, JANUARY 27

Entomology, Herbivory in a dioecious shrub: are males tastier than females? by German Avila-Sakar, biology department, Room 409 Tier Building, 2:30 p.m., Tuesday, Jan. 27.

WEDNESDAY, JANUARY 28

Native Studies Colloquium, Staging Aboriginal Social Justice by Jessica Senechi, 12:30 p.m., 307 Tier Building, Wednesday, Jan. 28.

THURSDAY, JANUARY 29

2009 James A. Jackson Memorial Lecture, An Environmental History of Progress: Damming British Columbia by Tina Loo, history, Cross Common Room, St. John’s College, 2:30 p.m., Thursday, Jan. 29.

FRIDAY, JANUARY 30

Elizabeth Dafoe Library, Graduate Student Lectures 2008-2009, Youth Environmental Awareness: Perspectives on Intergenerational Knowledge Transfer and the Environment by Linda Chow, Clayton H. Riddell Faculty of Environment, Earth, and Resources, 353-66 Duff Roblin Road, Winnipeg, MB, R3T 2N2, e-mail beata_chartrand@umanitoba.ca.

Department of Animal Science Position: Assistant Professor, Sustainable Grazing: Livestock Production Systems Start date: July 1, 2009 Salary: Commensurate with experience and qualifications Application deadline: Feb. 15, 2009 Position number: 08782 For information: Dr. Brian T. Oleson, chair, search committee, department of animal science, Faculty of Science, University of Manitoba, Winnipeg, MB, R3E 3N4, phone 787-3876, fax 787-3575, e-mail bmculwraith@hsc.mb.ca.

FACULTY OF MEDICINE Department of Clinical Health Psychology Position: Contingent geographic full-time assistant or associate level based in the Health Sciences Centre Start date: April 1, 2009 Salary: Commensurate with experience Application deadline: Feb. 15, 2009 Position number: 08573 For information: Dr. Bob Mellibrath, department of clinical health psychology, Faculty of Medicine, University of Manitoba, PZ 350 - 771 Bannatyne Ave., Winnipeg, MB, R5E SN4, phone 787-8087, fax 787-3575, e-mail bmmelibrath@hsc.mb.ca.

Department of Clinical Health Psychology WINNIPEG REGIONAL HEALTH AUTHORITY Position: Contingent geographic full-time assistant at the assistant or associate level based in the Operational Stress Injury (OSI) Clinic at Deer Lodge Centre, in Winnipeg Start date: April 1, 2009 Salary: Commensurate with experience Application deadline: Feb. 15, 2009 Position number: 08052 For information: Dr. Bob Mellibrath, department of clinical health psychology, Faculty of Medicine, University of Manitoba, PZ 350 - 771 Bannatyne Ave., Winnipeg, MB, R5E SN4, phone 787-8087, fax 787-3575, e-mail bmmelibrath@hsc.mb.ca.

Department of Psychiatry Position: Research associate Start date: ASAP Salary: Commensurate with experience Application deadline: February 15, 2009 Position number: 09206 For information: C/O Darlene Joss, research secretary, department of psychiatry, Faculty of Medicine, University of Manitoba, PZ 350 - 771 Bannatyne Ave., Winnipeg, MB, R5E SN4, phone 787-9377, fax 787-3575, e-mail dbjoss@hsc.mb.ca.

FACULTY OF SCIENCE Department of Physics and Astronomy Position: Assistant professor position in theoretical/computational astrophysics Start date: July 1, 2009 Application deadline: March 1, 2009 Position number: 09192 For information: Dr. Peter Blunden, department of physics and astronomy, Department of Physics and Astronomy, University of Manitoba, Winnipeg, MB, R3T 2N2, e-mail pblunden@physics.umanitoba.ca.

FACULTY OF SOCIAL WORK Positions: two assistant professor positions Start date: July 1, 2009 Salary: Commensurate with experience and qualifications Application deadline: Feb. 15, 2009 Position number: 08869 For information: Dr. Susan Taylor-Moore, director, department of social work, Faculty of Social Work, University of Manitoba, 521 Tier Building, Winnipeg, MB, R3T 2N2, e-mail staylor@umanitoba.ca.

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In Brief

ResearchLIFE

ResearchLIFE, the new magazine published by the Research Communications and Marketing Unit in the Office of the Vice-President (Research), has hit shelves. Published bi-annually, the magazine highlights research at the University of Manitoba.

The first issue reports on the CRYSTAL Project headed by the Faculties of Science and Education, how two kidney specialists have changed the way the world looks at biopsies, and what a story can tell us. The issue also features an article written by filmmaker Guy Maddin, and insights from our new president.

The magazine is free and distributed around our campuses and beyond our provincial borders. Pick up a copy and discover the research impacting your life.

Cool millions

Nine researchers received $2.1 in new funding from the Canada Foundation for Innovation on Jan. 6. And the winners are: Mark Fry and Dirk Wehrebruch from biological sciences; John Sorensen and Torsten Hegmann from chemistry; Arkady Major, electrical and computer engineering; Nicola Koper, Natural Resource Institute; Kiera Ladner, political studies; Karin Wittenberg, agricultural and food sciences; and Feiyue Wang, environment and geography, and chemistry.

Upcoming

Speaker Series

War in outer space, coming soon

By SEAN MOORE

Wars happen. According to the Heidelberg Institute for International Conflict Research, a think-tank, 2008 saw nine wars and almost 130 violent conflicts across the world. Peace on Earth is not likely in 2009, nor in the decade following, but what about peace in orbit?

For the past decade political studies professor James Ferguson has intensely watched what many others have neglected: how militaries are exploiting outer space.

The god’s-eye-view of battlefields entices militaries to take up an orbiting perch. And in turn they become targets to ground-based weapons. What scenarios unfold from the resulting posturing has many implications for how future wars are fought, and for the globalized economy that depends on satellites.

On January 21, as part of the Bringing Research to Life speaker series, Ferguson will give a free public lecture titled War and Outer Space (Science in Start-up, in Upcoming), in which he will discuss the prospects for, and implications of, war in outer space.

International law treats space as it does the high seas, as a global common. Countries can use it for “peaceful” purposes. But peaceful does not mean non-military, and as Ferguson notes, history suggests that military demands of fighting and winning will trump the demands of laws.

Satellites offer militaries, to use the jargon, force enhancement, which allows war to be fought with more precision – guided missiles, guided troops.

“This has implications. If you are able to employ force in a clinical and precise manner, the argument runs: that you are more likely to be willing to use force rather than alternative means to deal with the conflict,” Ferguson says.

The U.S. has the most celestial capital, giving them huge advantages in wars, but that also means they have the most to lose if any conflict was acted out in orbit. As Pentagon thinking runs, if the US goes to war with any other country capable of reaching space (there are 19), that country has an immediate incentive to destroy US space assets. Therefore, the US has an immediate incentive to defend those satellites.

“And once you try to defend something, thoughts often turn to offense,” Ferguson said.

Let’s rewind the film to January 11, 2007, when, about 850 kilometers above Earth, a missile launched from deep within China hit one of that country’s ageing weather satellites, effectively demonstrating the country’s space capabilities. The impact resulted in a vast field of debris, and each tiny scrap of metal, now whizzing randomly about orbit, is capable of crippling any satellite it hits. So a question percolates: what is a weapon in space?

“The space shuttle is a potential space weapon,” Ferguson said. “During the cold war, for strategic reasons, we made an agreement about what was a weapon in space and what wasn’t. A rocket, for example, is not a space weapon. But we still think about these things in cold war terms even though strategies have changed.”

The Canadian government’s policy is that weapons are not to be put into space. But it’s safe to say space is littered with potential destructive agents.

“If we don’t start paying attention, this issue will be driven by a military agenda rather than a broader political and strategic context. And that’s important for Canada. We’re not going to get anywhere saying ‘let’s not weaponize because it’s a bad thing.’ It’s going to happen and the question is what can Canada do and what should Canada do?”

To learn more, come to Ferguson’s free lecture on January 21, at 7 p.m. in the Robert B. Schultz Lecture Theatre, St. John’s College. For more information, call 474-9020.

Following mercury’s plot twist

By SEAN MOORE

Climate change, like a soap opera, has many perseverance players each performing their own grim role, and invariably, when the spotlight is put on them, they reveal surprising plot twists.

For an environmental problem that’s been recognized for more than 50 years, mercury still surprises. It, among other contaminants like lead and mercury, is a concern for Feiyue Wang in the department of chemical and biological engineering. Nicola Koper, Natural Resource Institute; Kiera Ladner, political studies; Karin Wittenberg, agricultural and food sciences; and Feiyue Wang, environment and geography, and chemistry.

In April 2008, he and his colleagues published a paper in Environmental Chemistry that said levels of organic mercury (the bad kind that can cross the blood-brain barrier) were increasing in marine mammals despite a drop in the amount of inorganic mercury being expelled, by industry, into northern systems.

“Research has to be driven by curiosity, but in the environmental field, it is driven by real world problems as well. And it’s depressing. I don’t want to see the horizon, but there is always hope.”

Inorganic mercury has a residency time of at least 30 years in the Arctic aquatic environment. Even if mercury emission ceased completely, there is still a large reservoir of the stuff that can, and will, be converted to methyl mercury. So the next 30 years are already written. Sound familiar?

“Science is necessary, but it’s almost the same story as climate change. So we were the first to demonstrate that for this group of contaminants, the mercury story is being driven by the CO2 story.”

“Our message is that global contamination and climate change needs further study of the same sort. You cannot separate them anymore.”

To better understand the fundamentals of these biogeochemical processes, Wang will use SERF to conduct controlled experiments using various concentrations of sea water. As he says, “Research is to be driven by curiosity, but in the environmental field, it is driven by real world problems as well. And it’s depressing. I don’t want to see the horizon, but there is always hope.”
Axworthy brings a wealth of experience to dean's chair

BY DALE BARKER
The Bulletin

For Chris Axworthy, becoming dean of the Faculty of Law at the University of Manitoba was a case of finding the right opportunity at the right time. As a young man, most of the major changes in his life have happened that way.

“I can’t pinpoint any one moment that defined my life, where I had that sort of epiphany about what I wanted to do. It was just a whole range of decisions that fit together,” Axworthy said.

He was born in Plymouth, England to parents who were first-generation immigrants. His parents worked any harder than mine did but they were obviously living a different life. It was a realization that life didn’t necessarily deal cards out fairly and that there was a need to pay attention to those kinds of social inequities, Axworthy said. The idea started to take hold and didn’t keep him from enjoying school or looking towards university.

But I’m not sure what prompted me to take law. I remember certainly seeing an advertisement for a course in law so I applied and I got in,” Axworthy said. “I didn’t know anybody who was in law at the time. It was entirely serendipitous.” But he discovered that he loved the entire university experience, enough to want to go on and become an academic.

“I did really well at it and that may be why I enjoyed it. But I enjoyed the intellectual challenge of law and I really threw myself into it,” he said.

In the late 1960s and he was surrounded by people in the same situation, kids who were the first in their family to be able to take advantage of expanding education opportunities.

After graduation, Axworthy headed to McGill University in Montreal to continue his education.

“I have no idea what made me want to leave the country,” he recalled. “None of my friends and I were doing that. And it wasn’t necessarily Canada, I considered Australia and other areas.”

But he found a good fit. He focused his graduate studies on commercial and corporate law and after graduation he decided to accept a job offer to move to Saskatoon.

“I think people were doing that. And it wasn’t necessarily Canada, I considered Australia and other areas.”

But he focused his graduate studies on commercial and corporate law and after graduation he decided to accept a job offer to move to Saskatoon.

In 1984 when the University of Saskatchewan was launching its Centre for the Study of Cooperatives. He was hired as the founding director of the centre.

“It was a great opportunity to start something from scratch. There was nothing there and that meant hiring faculty and planning research agendas,” Axworthy recalled. “And we were able to hire really good people.”

But something else happened when he moved to Saskatchewan. The interest in social inequities that had caught his eye in England, drew him into the New Democratic Party.

“I had been a member before, but when I was in Saskatchewan I got to know people like Roy Romanow,” Axworthy said. “I really had no political experience.”

Axworthy said. “So I had to learn as I went along. I had been in Saskatchewan for only four years so there were lots of things I really didn’t understand about the province and the city of Saskatoon.”

But he listened and he learned and he found ways to speak on behalf of his constituents. It was a steady job for the NDP they had just won 43 seats in the 1988 election, their best showing ever.

But the party tumbled in the 1993 election winning only nine seats, before recovering to win 21 in the 1997 election. Axworthy was a high profile member of the party in Saskatchewan and hung on to his seat through the ups and downs, but increasingly he found himself moving in a different direction from the federal party.

“At this time Tony Blair had come to prominence and was changing the Labour Party in England and I was a big supporter of that approach and of him until the Iraq war,” Axworthy said. “He revamped and modernized the labour party which is what I thought the NDP should do in Canada.”

When he was approached about running for the Saskatchewan NDP under Roy Romanow, a like-minded politician, he was happy to make the transition. He won in 1999 and went on to serve as attorney general and minister of justice and later minister of Aboriginal affairs and minister for intergovernmental affairs. Axworthy contested the leadership of the Saskatchewan NDP in 2001, ultimately coming in second to Lorne Calvert. He stepped down in 2003 and after 15 years in politics, he returned to work at the University of Saskatchewan.

“I found it really hard,” he said. “Going from a position where you could actually change people’s lives on a day to day basis and really being kind of an integral part of what was going on in the province, it was strange. You can’t underestimate the importance of being in the right job.

“I felt I could be put to good affect in this job,” Axworthy said. He took up his position as dean of the Faculty of Law on July 1, 2008.

“Law is changing, law schools are changing, law practice is changing, society is changing and universities are changing. It’s a great time and spot to be in,” Axworthy said.

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