The Bulletin
University of Manitoba

Academic champs
There are 67 U of M athletes on this year’s lineup of CIS Academic All-Canadians. Page 5

Career Quest
Camp gives Northern students a look at medical education options. Page 3

Making men
Prisons are hot houses for the production of errant masculinity. Page 6

The power of the dome

Children aged 6 to 15 years had the opportunity to figure out just what a structural engineer is on July 24 when they built a geodesic dome with University of Manitoba engineering and science students.

The summer camp workshop is part of an educational outreach program at the university called WISE or Women in Science and Engineering. Since 1990, WISE has been a prominent force in exposing school-age girls and now boys in Manitoba and Northern Ontario to careers in engineering and the sciences – professions they might not have otherwise been exposed to. The event is part of Kid-Netic Energy, WISE’s popular summer day camp.

“As always, the children are really looking forward to our students and the camp,” says WISE program manager Colleen Flather. “But what never ceases to amaze me is how many times I hear afterwards – sometimes years later – how a child was so inspired by what they learned that day that they realized they had to go to university to become an engineer or scientist.”

See WISE/P. 2

Mental health support

A University of Manitoba led mental health research team based at St. Boniface General Hospital has been awarded $1.5 million in new funding from the Canadian Institutes of Health Research (CIHR).

The team is being led by John Walker, a professor in the university’s department of clinical health psychology and head of the Anxiety Disorders Program at St. Boniface General Hospital. The team includes colleagues from universities across the country: Brandon, McMaster, York and Brock. The Centre of Excellence in Youth Engagement is facilitating the involvement of young adults in the project.

“Young adults experiencing anxiety and depression often feel that effective care is not available,” said Walker. “Finding out how these individuals would prefer to obtain information and in what format will help us meet the needs of this population.”

The announcement was made at St. Boniface Hospital Research Centre last month by Steven Fletcher, MP for Charleswood-St. James-Assiniboia, and Parliamentary Secretary for Health, on behalf of the Tony Clement, Minister of Health.

“Thousands of Canadians and their families deal with the negative effects of mental health problems,” said Fletcher. “The government is committed to funding research that will help ensure that these Canadians have access to the best mental healthcare services possible.”

The research team is receiving some of their funding ($250,000) for this project from the Mental Health Commission of Canada.

“As a catalyst in the field of mental health, the commission is pleased to support a research team from Winnipeg, the first in Canada, to look at how young adults who suffer from mental health problems make complex decisions in the absence of critical information and helpful decision-making aids,” said Mental Health Commission of Canada president and CEO Michael Howlett.

See YOUNG/P. 2
**In The News**

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

**Drugs linked to brittle bones**  
August 12, 2008  

According to an investigation led by University of Manitoba gastroenterologist Laura Targownik, the drugs used to treat acid reflux and peptic ulcers have been linked to an increased risk of osteoporosis-related fractures. The ground-breaking research caught the attention of local, national and international media.

**Fighting AIDS with numbers**  
August 13, 2008  

Abba Gumel, a mathematician at the University of Manitoba, is part of a team of Canadian graduate students and leading mathematicians who are heading to Africa to fight against AIDS and other infectious diseases. The team will develop mathematical models to help health officials map out plans to cost-effectively send supplies and which groups to target with education campaigns.

**Dying wondering about Arctic**  
July 30, 2008  
Winnipeg Free Press

The University of Manitoba-led CFI project aboard the icebreaker Amundsen continues to be in the news, this time over comments made by chief scientist Gary Stern who suggests that the Arctic could be free of summer ice within five years due to climate change.

**Headline News**

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

- **Bev O’Grailleur affair to tighten up**  
  departmental handling of documents, The Hill Times, August 11, 2008, included comments from James Ferguson, director of the Centre for Diversity and Security Studies at the University of Manitoba.

**Correction**

In the July 30, 2008 edition of the Bulletin, mathematics professor Tom Berry should have been credited with the exception of duplicate photographs in the T.G. (Thomas Glendenning) Hamilton photograph collection, located in Archives and Special Collections on the University of Manitoba’s Fort Garry campus, for Dr. T.G. and Lillian Hamilton’s investigations of psychiatric patients in their Winnipeg home between 1918 and 1945.

The entirety of the collection has been digitized with the exception of duplicate photographs of the same image. It includes digital reproductions of photographs, stereo photographs, slides, as well as some acco-purposing textual records. If T.G. Hamilton hopes to recreate one of the photos from the Hamilton exhibit for the Venice Biennale.

**Recreating Hamilton**

Recreating history is what multimedia artist Susan MacWilliam does best. Originally from Belfast, MacWilliam is visiting Winnipeg as an artist-in-residence to research and recreate one of the photos from the T.G. (Thomas Glendenning) Hamilton exhibit. She is currently an artist-in-residence with Winnipeg’s Aecarting.

The T.G. Hamilton photograph collection, located in Archives and Special Collections on the University of Manitoba’s Fort Garry campus, details Dr. T.G. and Lillian Hamilton’s investigations of psychiatric patients in their Winnipeg home between 1918 and 1945.

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**Wise works across Manitoba**

From Page 1  
“...this research is particularly important in shaping public knowledge about important mental health problems,” Howlett said.

“...by involving young people facing mental health challenges in the research process itself, this innovative project is designed to ensure that much-needed information about resources is made available to this community in the most effective way,” said vice-president (research) Joanne Kendrew.

The project Pathways to Mental Health Treatment will:

- Create effective and sustainable partnerships with young adults (aged 18 to 25) and community groups for successful mental health knowledge translation.

- Use consumer preference modeling methods to identify the information preferences of young adults and their allies.

- Retrieve, synthesize, and format preferred information for use in knowledge translation activities.

- Evaluate the impact of the materials on young adults in a “real-world” setting.

- Disseminate consumer-focused mental health information and knowledge translation processed on a wide scale in Canada.

**Young people help research**

From Page 1  
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Building bridges in the north
Camp opens students’ eyes to health care education options

BY DALE BARBOUR
The Bulletin

A group of Grade 11 students from Northern Manitoba received a tour de-force of the training opportunities available in the field of health thanks to the Health Career Quest Summer Camp.

The camp ran from July 21 to Aug. 1 and allowed the students to split their time between the University College of the North and the University of Manitoba. It was initiated by the provincial Office of Rural and Northern Health and the University of Manitoba’s ACCESS Program.

ORNH administrative director Wayne Heide said dividing the camp between north and south was a critical part of the program. “Because our target was specifically northern Aboriginal students, we wanted to make sure there was a balance in approach to make sure students saw opportunities both from the communities from where they originated and to expose them to opportunities in urban areas,” Heide said. “And the secondary goal was to expose them both to educational opportunities in the north and in the south.”

For example, if students want to pursue medicine, dentistry, pharmacy and medical rehabilitation then they have to come south to the University of Manitoba. But there are opportunities to get their education closer to home through the University College of the North, where they can kick off their undergraduate degrees, take nursing or dental assistant programs or train in Aboriginal midwifery.

Pointing the range of careers available was also one of the goals of the program. “I deal with students a lot and when you talk to them they always think, doctor/nurse,” Heide said. “We wanted them to know that there’s this whole broad range of opportunities outside of those fields in health care.”

Targeting Grade 11 students was also intentional, because it allowed the students to have their skills assessed at the camp and areas of weakness pointed out. Helping with the assessments and guiding the students throughout the camp were undergraduate students drawn from the professional health program in ACCESS or the health careers program in ACCESS. Acting as councilors during the 12 day camp the undergraduates were both mentors and examples to the Aboriginal students.

Given that they still have a year of high school left the students can use that time to address their weak areas and tailor their high school program to the particular health field they’re interested in. “We’re hoping that by the time they graduate next year they’re ready to go,” Peter Nunoda, dean of health studies at UCN, said.

More challenges lie ahead. The students applied to take part in the program, indicating they already had an interest in the health field. As it turns out, the dozen students picked to take part were all female. In some ways that reflects a trend in the health field with female students outnumbering male students. But Nunoda said it’s also reflective of conditions in the North where male high school students tend to focus on the trades.

“When we’re recruiting we want to target male applicants,” Nunoda said. “To be truthful for Northern communities a lot of those young men are looking at short term educational opportunities so that they can get out there and start earning some dollars right away, particularly in trades and vocational areas.”

“But if we sell health careers correctly there are short term training programs available where they can enter the field and be earning dollars shortly. So it’s a matter of packaging.”

The students wrapped up the camp with a series of presentations discussing what they learned and where they hope to go from here.

Kaylin Fosseneuve of Cranberry Portage, said the mere fact she was talking in front of a group was an indication of how far she had come. “Before this camp I would never have been able to stand up here and talk to you guys, so I’m pretty proud of that,” Fosseneuve said.

Apart from the practical lessons the students learned, the camp had the added benefit of helping create a future cohort – if they do pursue health careers, there is every chance they’ll be studying or working together.

“We just bonded. It would really be good experience for all of us,” Tiffany LePage of Pukatawagan, said. “We all came together,” Elizabeth Lepage of Pukatawagan, said. “We connected as friends, which made us feel a lot more comfortable in approaching colleagues in the future.”

Apart from the urban experience the students got, they also learned about opportunities available in the north. “Because our target was specifically northern Aboriginal students, we wanted to make sure they knew there’s this whole range of careers,” Nunoda said.

For example, Albany’s fire department has made gloves for police and firefighters.

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Commonwealth scholar is ready to return home

BY DALE BARDRO
The Bulletin

Commonwealth scholar Frederick Kahimba came to the University of Manitoba four years ago to earn a PhD in biosystems engineering. Now he’s ready to go home to Tanzania and put the skills he’s learned to use.

The Commonwealth Scholarship Plan, established in 1960, was designed by Commonwealth governments to enable students to pursue studies in other Commonwealth countries. The scholars earn a degree, and they’re expected to return to their home country and put that education to work helping their own people. But there’s a secondary goal, as well. The program is intended to foster understanding among Commonwealth nations. So the hope is that the students will learn about their host country’s culture, along with their academic subjects of choice.

On both fronts, Kahimba has been an ideal student.

“My PhD has focused on soil water management in agricultural fields,” Kahimba said. “Basically, we’ve been monitoring the interaction between cropping systems and the availability of soil moisture within the growing season and subsequent seasons.”

That’s not as common an approach as it should be — typically the focus is on the interaction of cropping systems. But Kahimba is asking how the cropping system and soil moisture availability affect the growing season.

“This is particularly important in Tanzania,” Kahimba said. “We have a lot of rainfall, but it’s unpredictable.”

The rain doesn’t come all the time, so we can have too much rainfall or we can have drought.”

Kahimba was a junior faculty member at Sokoine University of Agriculture when he left Tanzania. Now he’ll be able to go back as a full lecturer (assistant professor). He had always intended to return when he was pursuing his education — both to expand his knowledge-base and to improve his English language skills. While Swahili is the official language in Tanzania, English is the primary language in commerce, administration, and higher education. It’s a situation that recognizes that English is the international language for students looking to study abroad, and academics looking to share their research.

When a Canadian Commonwealth scholarship became available, the only question was which university to pick. The engineering program at the U of M proved to be the best fit. As it turned out, Winnipeg proved to be a pretty good fit too.

“I really love the winters and the culture here,” Kahimba said. Kahimba boarded with a family during his first year in Winnipeg in 2004, and he credits them with giving him a good impression of the city.

“The award recognizes Joyal’s manifold and sustained services to classical studies in Canada as a teacher, scholar and administrator.”

The award of Merit Committee has the honour of naming Mark Joyal as the first recipient of the Classical Association of Canada’s Award of Merit.

The award recognizes Joyal’s manifold and sustained services to classical studies in Canada as a teacher, scholar and administrator.

After completing his studies at the University of Manitoba and St Andrews University, Joval held temporary posts at the Universities of Calgary and Toronto before being appointed to the department of classics at Memorial University. He served there for 17 years, 12 of which served as department head. Since 2003 he has been professor of classics and department head at the University of Manitoba.

He is a rigorous and inspirational teacher, unassuming in his composure and regularly teaching a full complement of courses alongside his administrative and editorial work. He has advanced both the programmes concerned and the progress of many individual students towards their degrees. In the realm of scholarship he is noted for his scintillating and highly erudite lectures, especially the Platonist Theages, and is now contributing to editions in both the Editions Budé and the Oxford Classical Texts series.

The Bulletin

Commonwealth scholar Frederick Kahimba will put the skills he’s learned at the University of Manitoba to use in his home country, Tanzania.

“They liked going out in the winter and they didn’t treat me as a tenant, they treated me as part of the family.” That meant walking along the river trail in winter, shoveling snow, visiting family members, and taking part in special events. When Kahimba’s wife joined him a year later and the two moved into their own apartment, Canada already felt like home. Over the past three years, Kahimba and his wife have had a son and daughter and for the kids Canada will always be home, given that they have Canadian citizenship. Under the Commonwealth scholarship program, Kahimba is expected to head home when he completes his degree this month. He’s ready. For all that Canada might offer plenty of opportunities, Kahimba said it can’t offer the family connections that Tanzania can.

“Home is home. I’m used to living in bigger families. The family isn’t just your wife and kids. So all the time we’re here we’re thinking about missing our brothers and sisters, our uncles, our aunts,” Kahimba said. “I miss my family, so we’re very excited to go back home.”

Jazz appeal, chemistry victory

A University of Manitoba student who just completed her first year of studies in the jazz program at the Marcel A. Desautels Faculty of Music has been awarded an Oscar Peterson Grant for Jazz Performance. Samantha Chrol was awarded the prize by the Hnatyshyn Foundation, an Ottawa-based foundation that annually awards growth and development grants to exceptional young Canadians in post-secondary performing arts with its Developing Artists Grants program.

“It was very surprising when I heard I won because I knew the competition would be very strong and I would be one of many practising for the same opportunity,” Chrol said.

“I was particularly surprised because I don’t practice as much as other students with winning scholarships in mind, I continue to work hard and I am very fortunate that this opportunity came my way,” says Chrol.

“This will really help with my musical studies because it will allow me to concentrate on my education and carefully research what I want to do after my bachelor’s degree,” Chrol said.

At 19, Chrol already comes with an impressive performance CV. She has performed with several student jazz bands and is the first chair saxophonist in the University of Manitoba Jazz Lab Orchestra. She won the Outstanding Soloist Award from the Brandon Jazz Festival two years in a row and was the first Canadian to win an Outstanding Soloist Award in the Essentially Ellington High School Jazz Band Competition at Lincoln Centre in New York in 2007.

Steve Kirby, director of jazz studies at the University of Manitoba describes Chrol as a ‘rare jewel’.

YIN GAO EARNs FIRST PLACE AT CONFERENCE

University of Manitoba student Yin Gao’s chemical study resulted in a first place victory at the Canadian Society for Chemistry’s (CSC) national conference. This is the highest honor for an undergraduate biochemistry student.

CSC’s national conference is the largest chemistry conference in Canada. Originally intended as an event where scientists gathered to share their findings, they have grown into events that involve participation from chemists around the world. In addition to the regular presentations from academic, industry and government researchers (including graduate students who do either an oral or poster presentation), Gao’s project also involved creating an undergraduate poster presentation.

Additionally, U of M student Sean Walker received an award in the physical/theoretical/computational section of the undergraduate competition. Each year, 1,500-2,000 chemistry students from all over Canada participate in this event.

The Bulletin

August 21, 2008

Page 4
Success in sports and academics

67 U of M students named Academic All-Canadians

The University of Manitoba’s athletes are proving that spending time on the sports field doesn’t mean putting aside excellence in the classroom.

This year 67 athletes from Bison Sports at the University of Manitoba have been honored as Canadian Interuniversity Sports Academic All-Canadians.

The designation is based on the athletes maintaining a 3.5 grade point average or better based on a 4.0 scale in their field of study at the University of Manitoba.

Some major academic highlights included University of Manitoba women’s hockey student-athlete Dana Hoogsteen who earned her third Academic All-Canadian honour this year after four years as an Academic All-Canadian.

Within the 67 Bisons earning the CIS recognition, 7 were new three-time Academic All-Canadians and 17 reached this honour for the second time.

The overall total of 67 Bison Sports student-athletes earning CIS Academic All-Canadian represents over 25 per cent of the whole Bison student-athlete total (285). The overall percentage of Bison Sports’ student-athletes named as Academic All-Canadians has been at 20 per cent or higher over the last four years.

“It is an impressive accomplishment for Bison student-athletes to achieve this CIS honor,” said Bison Sports athletic director Coleen Dufresne. “I am proud that these young men and women exemplifies the Bison tradition of being great role models for the youth of this city by working hard not only on the playing field but in the classroom.”

Academic All Canadians come from all sports

Below is a complete list of the 2007-08 University of Manitoba CIS Academic All-Canadians.

WOMEN’S BASKETBALL
Sheena Gee
Maria Pawlyshyn
Melanie Schlichter

MEN’S BASKETBALL
Eric Garcia
Joel Pankewich
Christopher Pereira

GOLF
Brian Buffie
Shayne Fredborg
Bethany Garan
Jessekeleton
Lucas Skeleton

FOOTBALL
Darryl Conrad
Steve Gronick
Toshio Nishimura
Simon Patrick

WOMEN’S HOCKEY
Chelsea Braun
Amy Coates
Kacey Funk
Erica Holmes
Dana Hoogsteen
Shannon Hoogsteen
Katherine O’Reourke
Amanda Schnell
Andi Wilgosh

MEN’S HOCKEY
Wade Davison
Chris Falloon
Stephane Lenoski
Rob Smith

WOMEN’S SWIMMING
Jenna Houssin
Whitney Reed

MEN’S SWIMMING
Willie Bell
Blair Peters

WOMEN’S TRACK AND FIELD
Alysia Allamore
Amber Anseeuw
Kaeligh Bowdon
Jana Cassidy
Taralyn Cook
Brett D Hathaway
Brittany Curtis
Peggy Hamilton
Diana King
Teresa Logozar
Laura Morton
Amelia Smandych
Claire Sparling
Regina Tessemman
Meaghan Woo

MEN’S TRACK AND FIELD
Joel Charriere
Zacharie Durand
Barret Hildebrandt
Tyler Hynes
David Kelly
Mohan Khan
Patrice Leclercq
Rory McIntyre
Brad Molyneux

WOMEN’S VOLLEYBALL
Erin Nieuwenburg
Amy Penner
Ashley Voth

MEN’S VOLLEYBALL
Stefan Bouw
Josh Thordarson

Academic highlights

A few highlights from the 2007-08 CIS Academic All-Canadians Bisons list.

• Bison women athletes account for 58 per cent (39 of 67) of this year’s list highlighted by the women’s soccer with seven of 17 players (41 per cent), women’s hockey team had nine of 25 (36 per cent), women’s volleyball team had three of 12 players (25 per cent) and women’s basketball had three of 13 players (23 per cent).

• 15 Bison earned Academic All-Canadian status while studying at the Faculty of Kinesiology and Recreation Management.

• Full track and field team had 23 of 83 (27 per cent) student-athletes on the list.

• Seven of the Bison teams have at least four or more Academic All-Canadians.

• There were 19 Bison student-athletes who earned a 4.0 or higher mark (an A - 90 per cent), which represents 28 per cent of all Bisons as 2007-08 Academic All-Canadians.

• There were 30 multiple time winners (two or more times named to this honour).

Getting a handle on predicting thunderstorms

When it comes to predicting severe weather such as thunderstorms and tornados, it’s all about the data they’ve collected, the better chance they have of predicting storms and warning the public about their imminence.

A project that aims to increase the understanding of what initiates thunderstorms and severe weather is currently underway in Alberta. The project, called UNSTABLE (Understanding Severe Thunderstorms and Alberta Boundary Layers Experiment), is being co-led by John Hanesiak of the department of environment and geography and the Centre for Earth Observation Science (CEOS) at the University of Manitoba.

The project includes the use of the University of Manitoba’s Mobile Atmospheric Research System (MARS), a customized trailer outfitted with state-of-the-art atmospheric research equipment.

“The overall goal of UNSTABLE is to better understand thunderstorm initiation and help improve weather forecasting,” says Hanesiak. “The project’s teams, consisting of researchers from the University of Manitoba, the University of Calgary and Environment Canada, are examining the atmospheric boundary layer in the Alberta foothills, where summer storms occur frequently. Special measurements obtained through a network of fixed and mobile surface, upper-air, and airborne instruments are being used together with existing Environment Canada weather stations to better understand the processes in the thunderstorm genesis zone.

The information learned from UNSTABLE will be valuable to Manitobans. “It’s directly applicable. We have a lot of the same atmospheric and surface processes here in Manitoba,” Hanesiak said.
Canola Farmer raps on YouTube

BY CHRIS RUTKOWSKI

Eskin knows a world-renowned food chemist and nutraceutical expert. He was involved in establishing the importance of canola as a major oilseed in Canada, and is presently working with researchers to establish the health and functional properties of yellow mustard and hemp. Along the way, he has won major research awards as well as being made a fellow of scientific societies in Canada, the United Kingdom and the United States.

Oh, and his latest music CD, which includes folk tunes and rap, has just come out and a song from it can be viewed on YouTube.

Eskin has two passions which he has been nurturing on separate but parallel paths. He has been a faculty member of the University of Manitoba for 40 years in Human Ecology and has recently been conducting research on the frying performance of new canola oils as well as how yellow mustard may prevent colon cancer.

However, for the men that Comack interviewed, the route to being powerful and strong typically meant using their body as a weapon against other people. As they got older, being a man meant being independent and self-supporting. Cut off from education or job opportunities they turned to crime to acquire that independence.

The stories weren’t always easy for the men to tell. Sometimes they weren’t easy to listen to either.

“One man was in prison for sexual assault. It wasn’t easy to hear his story.” Comack said. For the most part, the men were surprisingly open with Comack and for some of them it was a rare opportunity to tell their story to another person as well as reflect on their lives.

In any interview situation, it’s not easy to know if people are telling the truth or not. But in some ways, that’s a challenge that Comack can live with.

“I think it’s more interesting to know how they construct themselves. What are they trying to portray,” Comack said.

In the end, Comack found her interview subjects were not so very different from people who were not in prison.

“Basically the book is a call to encourage people to think about some of these bigger issues,” Comack said.

“It’s very easy to “other” people in prison, but in some ways they’re like other men. They’re trying to live up to what it is to be a man.”

The cover art for Our There/ In Here was completed by artist Peter Prince, with help from his daughter Teo.

Human nutritional sciences professor Michael Eskin has released a CD entitled Michael Eskin Performs Mostly Genesis with a Little Exodus.

“I write a lot of satirical songs,” Eskin explains, “and was asked by the late Harold Buchwald quite a number of years ago to write and perform a surprise song on the late Izy Ezper when he was being honoured at a major function in Winnipeg. It was a great success and I ended up recording it at the then-CNKD studios. The song was “I am the Ruler of CKN,” based on Gilbert & Sullivan.”

As a committed educator he has written songs on food as well as contributed to the Canadian Sesame Street. Recently, he recorded a CD of songs based on some of the wonderful fable stories such as Noah’s Ark and the Tower of Babel. Seachieved the CD as a grant from the Jewish Foundation of Manitoba, the CD incorporates several different musical styles including folk, reggae and country music. Perhaps most remarkable is the fact that one of the most catchy tunes on the CD features him rapping a story about Passover.

Eskin’s son Josh, a music teacher, did the arrangements and accompaniments on the CD, which will be used in Hebrew Elementary Schools in Canada and the United Kingdom and possibly the USA as well.

One of Eskin’s colleagues plans to use it in her Sunday school class.

Eskin explains: “I am presently collaborating with Jason Marantz, a former Winnipegger and now headmaster of an elementary school in London, England, by preparing a teacher’s guide for use with the CD.”

Meanwhile, Eskin’s musical attributes have not gone unnoticed by his academic peers. Last year, the Manitoba Association of Dietitians invited him to prepare a 30 minute musical presentation to accompany their 2007 national meeting. “Did Eat! The performance was so well received that Eskin has been invited to perform at their national meeting at PEI next year.

Eskin’s C.D., titled Michael Eskin Performs Mostly Genesis with A Little Exodus is available at McNally Robinson Bookellers in Winnipeg.

Want to see Eskin on YouTube? Just head to www.youtube.com and type in his name.

Sociology professor Elizabeth Comack considers the experience of men in her latest book Out There/In Here: Masculinity, Violence and Prisioning.

However, for the men that Comack interviewed the route to being powerful and strong typically meant using their body as a weapon against other people. As they got older, being a man meant being independent and self-supporting. Cut off from education or job opportunities they turned to crime to acquire that independence.

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“I write a lot of satirical songs,” Eskin explains, “and was asked by the late Harold Buchwald quite a number of years ago to write and perform a surprise song on the late Izy Ezper when he was being honoured at a major function in Winnipeg. It was a great success and I ended up recording it at the then-CNKD studios. The song was “I am the Ruler of CKN,” based on Gilbert & Sullivan.”

As a committed educator he has written songs on food as well as contributed to the Canadian Sesame Street. Recently, he recorded a CD of songs based on some of the wonderful fable stories such as Noah’s Ark and the Tower of Babel. Seachieved the CD as a grant from the Jewish Foundation of Manitoba, the CD incorporates several different musical styles including folk, reggae and country music. Perhaps most remarkable is the fact that one of the most catchy tunes on the CD features him rapping a story about Passover.

Eskin’s son Josh, a music teacher, did the arrangements and accompaniments on the CD, which will be used in Hebrew Elementary Schools in Canada and the United Kingdom and possibly the USA as well.

One of Eskin’s colleagues plans to use it in her Sunday school class.

Eskin explains: “I am presently collaborating with Jason Marantz, a former Winnipegger and now headmaster of an elementary school in London, England, by preparing a teacher’s guide for use with the CD.”

Meanwhile, Eskin’s musical attributes have not gone unnoticed by his academic peers. Last year, the Manitoba Association of Dietitians invited him to prepare a 30 minute musical presentation to accompany their 2007 national meeting. “Did Eat! The performance was so well received that Eskin has been invited to perform at their national meeting at PEI next year.

Eskin’s C.D., titled Michael Eskin Performs Mostly Genesis with A Little Exodus is available at McNally Robinson Bookellers in Winnipeg.

Want to see Eskin on YouTube? Just head to www.youtube.com and type in his name.

Sociology professor Elizabeth Comack considers the experience of men in her latest book Out There/In Here: Masculinity, Violence and Prisioning.

However, for the men that Comack interviewed the route to being powerful and strong typically meant using their body as a weapon against other people. As they got older, being a man meant being independent and self-supporting. Cut off from education or job opportunities they turned to crime to acquire that independence.

The stories weren’t always easy for the men to tell. Sometimes they weren’t easy to listen to either.

“One man was in prison for sexual assault. It wasn’t easy to hear his story.” Comack said. For the most part, the men were surprisingly open with Comack and for some of them it was a rare opportunity to tell their story to another person as well as reflect on their lives.

In any interview situation, it’s not easy to know if people are telling the truth or not. But in some ways, that’s a challenge that Comack can live with.

“I think it’s more interesting to know how they construct themselves. What are they trying to portray,” Comack said.

In the end, Comack found her interview subjects were not so very different from people who were not in prison.

“Basically the book is a call to encourage people to think about some of these bigger issues,” Comack said.

“It’s very easy to “other” people in prison, but in some ways they’re like other men. They’re trying to live up to what it is to be a man.”

The cover art for Our There/In Here was completed by artist Peter Prince, with help from his daughter Teo.
Keeping people on the move
A Day in the Life of a fitness and lifestyles coordinator

Since 1986, Ulla Liljegren (Ille-Karin) has been with Bison Recreation Services, keeping customers sweating, laughing and active.

“IT’s great! They pay me to do something that I absolutely love,” Liljegren, 46-years young, is the Bison Recreation Services fitness and lifestyles coordinator. She has been working there since 1986, first as a student and certified fitness consultant. She then moved on to working part-time and since 2000, full-time.

Her job description is extensive and, she admits, difficult to describe. “I do everything from teaching aqua fitness, pre and post natal classes, conditioning camps, occupational and fitness testing, yoga to hiring fitness consultations and instructors, evaluating fitness leaders and teaching classes myself,” said Liljegren. “All while doing管理工作, administrative work, customer service…"

“My dad still doesn’t know what I do. When he asks how my job is going, he simply asks if I am still doing all that jumping around,” laughed Liljegren.

Teaching with a sculpted body and energy flowing out of every pore, Liljegren sets a great example for her customers to stay active and healthy. Besides her “away-from-work” activities like soccer, beach volleyball, squash, ringette and cross country skiing, her passion is spreading her love of fitness and lifestyles coordinator Ulla Liljegren loves spreading their love of fitness to others.

“Fitness music is to the count of eight…so as long as I can count to eight…" laughed Liljegren.

Liljegren enjoys the freedom, variety and satisfaction of knowing she is making a difference. Liljegren jokes that she loves how she can throw the window open and go anywhere in the world and teach … as long as she can count to eight in their language!

“Fitness music is to the count of eight…so as long as I can count to eight that high I will have a job!” laughed Liljegren.

Liljegren is not new to multiple languages and areas around the world. She came to Winnipeg from her native country of Finland. Once here she received her first degree in bachelor of arts. "Me coming here and then getting my degree was just like many other decisions in my life. Spontaneous,” laughed Liljegren.

Liljegren decided to get her second degree in Recreation Studies when her three children, Sanna (16), Kipp (21) and Sweden, she was still young. She also worked with Bison Recreation Services as a fitness consultant under her mother’s supervision. She has recently returned to her native land of Finland to work on her masters in kinesiology.

“I had some extra time so I decided to get a second degree,” smiled Liljegren. “I had my kids but I took my time, and scheduled my classes around them, and ten years later I had my degree. I never had any set plan. I just went with the flow and now I am here!"

Raising three children did not change Liljegren’s core beliefs. She is a self-proclaimed “rebellion” to the typical standards of a grown woman and mother. "I have always struggled with traditional roles and obligations,” spoke Liljegren. “As I get older, it scares me that I am actually starting to think more when making important decisions, instead of taking risks.”

With her free spirit, humor, and spontaneity, Liljegren forsees her future as keeping active, expanding her life experiences and gaining confidence in a variety of activities. “I just want to keep teaching classes and surrounding myself with entrepreneurial people.”

Liljegren’s job allows her to enjoy all the aspects involved with her position and still get paid to "jump around" and do what she loves. "I am very content in my life and my job."

Liljegren adds, “No matter what, in some form or other … I will be doing this for the rest of my life.”

Fullbright winners

University of Manitoba researchers Warren Carious and C. Emdad Haque have been awarded 2008 Fullbright Visiting Chair Awards. Canada-U.S. Fullbright Visiting Research Chairs are awarded to prominent Canadian and American scholars who wish to conduct research, work with faculty and graduate students, and if they choose, offer guest lectures and teach at select American and Canadian universities. Coincidentally both professors will undertake their respective studies at Arizona State University (ASU).

“I was just thrilled to be chosen,” Carious says. “ASU has such strengths in my areas of research – creative writing and creative studies. This is a great opportunity for me to learn from some of the best scholars and writers in the world.”

He is an expert on Augustan poetry and is a prolific poet, critic, scholar and creative writing and director of the University of Manitoba’s new Centre for Creative Writing and Culture. He was recently appointed Canada Research Chair in Narrative, Community and Indigenous Cultures. While at ASU with his Fulbright award in creative writing, Carious will work on his novel-in-progress, The Hummingbird Clock which is partly set in the American southwest.

Haque has been awarded a 2008 Fulbright Visiting Chair in Transborder Studies at ASU. He is a dominant force in environmental risk and hazards prevention and mitigation and was the founding president of the Canadian Risk and Hazards Network (CRHiNet) and vice-president of the International Society for the Prevention and Mitigation of Natural Hazards. He is currently director and professor of natural resource and environmental management in the Natural Resources Institute, Clayton H. Riddell Faculty of Environment, Earth, and Resources at the University of Manitoba.

At ASU’s North American Center for Transborder Studies Haque will be pursuing research on sustainable institutional development toward an integrated North American climate change and energy strategy.

“We at the foundation are thrilled to recognize the excellent scholarship of Drs. Haque and Carious,” says Michael Hawes, executive director of the Foundation for Educational Exchange between Canada and the United States. “Though quite different, they both represent the leading edge and exciting research being conducted at the University of Manitoba.”

The Canada-U.S. Fullbright Program seeks to enhance mutual understanding between Canada and the United States by engaging the brightest minds through academic exchanges.

Through its bilateral academic exchanges, outstanding students, scholars and professionals strengthen Canada-U.S. relations by examining a wide range of subjects that are critical to the relationship between the two countries.
The Bull – August 1, 2008

“and we determine the A score or Sakurai, from Japan,” Smith continued, report to an apparatus supervisor.”

Finals, all-around and event finals, I assigned to the games to judge in games. Lynn Smith is one of the six, Summer Games in Beijing.

On the ground at the Beijing Olympics

Bannatyne Campus – St. Boniface General Hospital and Research Centre

FRIDAY, SEPTEMBER 5
Centre For Research and Treatment of Atherosclerosis (CRIA) Seminar Series, A Versatile Hydrophobic Drug Delivery Vehicle by Robert O. Ryan, professor, department of medicinal chemistry, Mayo Clinic College of Medicine, former CEO of the Mayo Clinic, Theatre A, Basic Medical Sciences Building, 12 p.m., Wednesday, Sept. 5.

Palliative Care Educational Rounds, Delirium by Barry Campbell, geriatric psychiatrist, NG034 Saint Boniface General Hospital Education Building, 451 Tache Ave., 12 p.m., Wednesday, Sept. 5.

WEDNESDAY, AUGUST 27
Pharmacology, Cellular MRI. An Emerging Technology For In Vivo Investigations Of Cellular Events In Disease And Repair by Paula Foster, Roberts Research Institute, department of medical biophysics, University of Western Ontario, A229 Chown Building, video-linked to R4013 Saint Boniface Research Centre, 3 p.m., Wednesday, Aug. 27.

WEDNESDAY, SEPTEMBER 3
Joe Doupe Memorial Lecture, Do We Know What We Know? by Hugh Blatz, a graduate of both University of California, professor, department of psychobiology, and a master of science in sport biomechanics at the University of Manitoba.

Obstetrics and Gynecology Grand Rounds, The Early Pregnancy Assessment Clinic: Summary Of Our First Year And Future Plans by Helen Pymar, assistant professor, obstetrics and gynecology, Theatre A, Basic Medical Sciences Building, 12:45 p.m., Wednesday, Sept. 3. Live webcast at www.umanitoba.ca/womens_health.

Palliative Care Educational Rounds, Delirium by Barry Campbell, geriatric psychiatrist, NG034 Saint Boniface General Hospital Education Building, 451 Tache Ave., 12 p.m., Wednesday, Sept. 5.

Bison Sports

FOOTBALL
Aug. 30 – Regina at Manitoba, University Stadium, 1 p.m.
Sept. 13 – UBC at Manitoba, University Stadium, 2 p.m.

SOCCER
Sept. 6 – Lethbridge at Manitoba, University Stadium, 12 p.m.
Sept. 19 – Calgary at Manitoba, University Stadium, 12 p.m.
Sept. 13 – Regina at Manitoba, University Stadium, 10 a.m.
Sept. 14 – Regina at Manitoba, University Stadium, 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.

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

WEDNESDAY, AUGUST 27
Pharmacology, Cellular MRI. An Emerging Technology For In Vivo Investigations Of Cellular Events In Disease And Repair by Paula Foster, Roberts Research Institute, department of medical biophysics, University of Western Ontario, A229 Chown Building, video-linked to R4013 Saint Boniface Research Centre, 3 p.m., Wednesday, Aug. 27.

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Bannatyne Campus – St. Boniface General Hospital and Research Centre

FRIDAY, SEPTEMBER 5
Centre For Research and Treatment of Atherosclerosis (CRIA) Seminar Series, A Versatile Hydrophobic Drug Delivery Vehicle by Robert O. Ryan, senior scientist, Children’s Hospital Oakland Research Institute, Oakland, California, professor, department of nutritional sciences and toxicology, University of California, Berkeley, A229 Chown Building, video-linked to R4013 Saint Boniface Research Centre, 9 p.m., Friday, Sept. 5.

WEDNESDAY, SEPTEMBER 10
Obstetrics and Gynecology Grand Rounds, Obstetrics and Mental Health by Laura Calhoun, medical director, psychiatry, and Carrie Lienborg, PhD adult psychology, University of Manitoba, Theatre A, Basic Medical Sciences Building, 7:45 a.m., Wednesday, Sept. 10. Live webcast at www.umanitoba.ca/womens_health.

THURSDAY, SEPTEMBER II
Hospice & Palliative Care Manitoba 18th Annual Conference Public Lecture, Life’s End: Caring, Compassion, and Mindfulness in the Relief of Suffering by David Moller and Tom Jackson, Victoria Inn, 1808 Wellington Ave., 7:30 p.m., Thursday, Sept. 11. The Hospice & Palliative Care Manitoba 18th Annual Conference runs Sept. 11 to 12 at the Victoria Inn. For more information see www.umanitoba.hospice.ca.

On the ground at the Beijing Olympics

Though they aren’t in the race to win a medal, six individuals from the University of Manitoba have been participating in the 2008 Olympic Summer Games in Beijing. Executive director of student services Lynn Smith is one of the six, and has a one-of-a-kind role at the Olympics.

“I’m Canada’s only female judge assigned to the games to judge in women’s artistic gymnastics,” said Smith.

“My assignment is A1 on floor exercise. This means that for all four competitions: qualifications, team finals, all-around and event finals, I will be the head of the floor panel and report to an apparatus supervisor.”

“As an A1 I work with my A2, Reiko Sakurai, from Japan.” Smith continued, “and we determine the A score or the difficulty value of the routine immediately after it is performed. The other 6 judges drawn to floor exercise are B panel judges, and they judge the execution of the performed routine.”

Prior to the 2008 Olympics, Smith judged at the Pan-Am and Commonwealth Games. However this is her first time at the Olympics.

Another first-time official involved with Triathlon at the Olympics is her first time at the Olympics. However this is her first time at the Olympics.

For this event, I have been assigned to lead the transition area,” said Honish. “This is where the athletes transition from one sport discipline to the next, if on a bike and then back to the run. Once the final athlete has left transition after completing the bike portion of the event, I will move to the finish area to assist in ensuring athlete safety and recovery.”

Mahoney says for her, it’s not only the experience of officiating that she’ll take in, but also the culture of the games.

“Not as much as the Olympics are about exceptional sport achievements and global participation, it’s also about sharing culture,” she said.

“This will be my first time to China and I’m looking forward to meeting the people, experiencing the phenomenal history and magnificence of a culture much older than my own. The Olympic venues and historical monuments are spectacular and I look forward to experiencing China firsthand.”

Adrian Honish, Carolyn Taylor and Dana Way are all fellow graduates who have a bachelor of exercise and sport science, along with a master of science in sport biomechanics at the University of Manitoba.

Honish, a former Bison women’s volleyball assistant coach, was named to the Canadian Olympic Committee’s (COC) technical team. In addition, Carolyn Taylor and Dana Way are working as performance technologists for both the 2008 Summer Olympics and 2008 Summer Paralympics.

They will be the second Olympics for both Honish and Taylor as they were part of Team Canada’s technical team for the 2006 Winter Olympics in Turin, Italy.

David Blatz, a graduate of both the Physical Education and Athletic Therapy program at the University of Manitoba is also at the Olympics. He is there as the head therapist of the Canadian Men’s National Baseball Team.

Blatz was also a sessional instructor for a number of courses taught at the Frank Kennedy Centre. Check out umanitoba.ca/bisons for more information on Bison Sports.

Events Listing

University of Manitoba

New year for Vanier Champs

The Manitoba Bison kick off their 2008 campaign this month.

The Bison soccer team will kick off its season against Lethbridge, 12 p.m., Sept. 6 at University Stadium.
Soak up some vitamin D

Vitamin D, also known as the "sunshine vitamin" because the body manufactures the vitamin after being exposed to sunshine, has a long list of health benefits. Recent research at the University of Manitoba suggests that vitamin D may provide protection from osteoporosis, hypertension (high blood pressure), cancer, and several autoimmune diseases. But its primary function is to promote the body's absorption of calcium, which is essential to the development of healthy bones and teeth. And new findings show vitamin D to be equally important to a baby's teeth, even before they are born.

Vitamin D is found in supplements as well as many dietary sources such as fish, eggs, fortified milk, and cod liver oil. You can also spend ten to 15 minutes in the sun three times weekly.

MANITOBA CENTRE FOR NURSING AND HEALTH RESEARCH

Faculty of Nursing

The Faculty of Nursing would like to announce the appointment of the following members to the Manitoba Centre for Nursing and Health Research (MCNHR) Advisory Board. Formerly known as the Manitoba Nursing Research Institute (MNRI), established in 1985, the name was changed in 2008 to reflect a broader interdisciplinary focus on health research, and to have wider appeal for health care professionals from disciplines other than nursing to become members of the Centre. The Mission of the MCNHR is to create an environment that promotes and supports the conduct, dissemination and uptake of collaborative nursing and health research to benefit the health of Manitobans and beyond.

ADVISORY BOARD MEMBERS:

• Ms. Winn Briscoe, Nursing Instructor, Red River College of Applied Arts, Science and Technology
• Ms. Helga Bryant, Vice-President & Chief Nursing Officer, Health Sciences Centre
• Dr. Dean Care, Professor and Dean, School of Health Studies, Brandon University
• Dr. Harvey Chochinov, Canada Research Chair in Palliative Care; Director, Manitoba Palliative Care Research Unit; Professor, Department of Psychiatry, University of Manitoba
• Dr. Diana Clarke, Associate Professor, Faculty of Nursing, University of Manitoba; Scholar-in-Residence, Health Sciences Centre
• Ms. Jan Currie, Vice-President and Chief Nursing Officer, Winnipeg Regional Health Authority
• Janice Filmon, Public Representative
• Dr. Phillip Gardiner, Professor, Faculty of Kinesiology & Recreation Studies; Director, University of Manitoba Research Chair in Physical Activity and Health Studies (Chair of the Advisory Board)
• Dr. Michelle Lobchuk, Assistant Professor, Faculty of Nursing, University of Manitoba
• Dr. Michael Moffatt, Executive Director of Research & Applied Learning, Winnipeg Regional Health Authority
• Ms. Allison Pedersen, Graduate Student, Faculty of Nursing, University of Manitoba
• Dr. Rob Santos, Scientific Director and Senior Policy Advisor, Healthy Child Manitoba Office, Healthy Child Committee of Cabinet, Government of Manitoba; Assistant Professor, Department of Community Health Services, Faculty of Medicine, University of Manitoba
• Ms. Brenda Slobozian, Vice President, Community Health, Parkland Regional Health Authority
• Mr. Arn C. Thorsteinson, Corporate Representative; President, Shelter Canadian Properties Limited
• Ms. Vicki Zeran, Interim Nursing Coordinator, University College of the North

EX OFFICIO MEMBERS:

• Dr. Peter Cattini, Associate Vice-President, Research, University of Manitoba
• Dr. Dauna Crooks, Professor and Dean, Faculty of Nursing, University of Manitoba
• Dr. Michael Moffatt, Executive Director of Research & Applied Learning, Winnipeg Regional Health Authority
• Dr. Michelle Lobchuk, Assistant Professor, Faculty of Nursing, University of Manitoba
• Ms. Winn Briscoe, Nursing Instructor, Red River College of Applied Arts, Science and Technology
• Ms. Helga Bryant, Vice-President & Chief Nursing Officer, Health Sciences Centre
• Dr. Dean Care, Professor and Dean, School of Health Studies, Brandon University
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• Mr. Arn C. Thorsteinson, Corporate Representative; President, Shelter Canadian Properties Limited
• Ms. Vicki Zeran, Interim Nursing Coordinator, University College of the North

One university. Many futures.
Building a better sandbag dike

They’re a spring-time staple and before the University of Manitoba is done we’re going to know a whole lot more about how sandbag dikes work. Sandbag dikes are recognized as being a critical resource for protecting communities in Manitoba from flooding. Sandbag dikes often exposed to waves generated by wind conditions or nearby watercraft that may affect their reliability and performance. Little is known as to what size waves can be resisted by traditional sandbag dikes which is cause for concern when they are used for flood protection. A research team in the Faculty of Engineering at the University of Manitoba is now undertaking a project to examine the impact of waves on sandbag dikes.

A sandbag dike test run was held in the Engineering and Information Technology Centre on Aug. 6. Civil engineering masters student Ray Offman is focusing his thesis work on the dikes. “Really our goal here is to find out at what point the height and amplitude of the waves affect the reliability of the sandbag dikes, which are used as temporary flood protection for the city of Winnipeg,” Offman said. “They’re still in the thick of conducting research. Dr. Blatz Offman said they are getting a feel for how much pounding the dikes can take before they need to move. “So now we’ll take it from here and find ways to improve the dikes’ stability for future use,” he added.

The research is also directed at testing a wireless sensor that will report dike movements to central flood fighting operations during flood events. Engineering professor James Blatz is leading the sandbag dike research project and said the lightweight wireless sensors can be tossed into the dikes during their construction. Later the feedback from the sensors allows flood watchers to stay apprised of how well the dikes are holding up. “Precisely only way you could check the condition of the dike was to walk along it and do a visual appraisal,” Blaz said.

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

### ACADEMIC JOB OPPORTUNITIES

#### Department of Religion

**Position/s:** One or two full-time tenure-track positions: one in Early Christianity and a second position in Medieval/Reformation and Early Modern Christianity.

**Salary:** Commensurate with qualifications and experience

**Application deadline:** Sept. 21, 2008 and will continue until position filled.

**Position number:** 08539

**For more information:** Dr. Richard Holley, chair, search committee, department of food science, Faculty of Agricultural and Food Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, e-mail: rick_holley@umanitoba.ca.

#### Department of Sociology

**Position:** Assistant professor in the area of quantitative research methods

**Salary:** Commensurate with experience and qualifications, but this is an entry-level position

**Application deadline:** Nov. 5, 2008

**Position number:** 08729

**For more information:** Dr. E. Comack, head, department of sociology, 318 Isbister Building, University of Manitoba, Winnipeg, MB, R3T 2N2, phone 474 9260, e-mail: comack@cc.umanitoba.ca.

#### Faculty of Dentistry

**Department of Dental Diagnostic and Surgical Sciences**

**Position:** Oral and maxillofacial surgeon at the rank of associate professor/professor. The position will also include the headship of the department as well as the directorship of the graduate oral and maxillofacial surgery program

**Salary:** Commensurate with qualifications and experience

**Application deadline:** Nov. 1, 2008

**Position number:** 08012

**For more information:** Joan Linklater, Associate Dean, Chair, Instructor 1 (Operative Stage Director and Coach) Search Committee, Marcel A. Desautels Faculty of Music, University of Manitoba, 65 D'Arcy Road, Winnipeg, MB, R3T 2N2, fax 474 7546, e-mail: swesers@cc.umanitoba.ca.

**MARCEL A. DESAUTELS FACULTY OF MUSIC**

**Position:** Instructor 1, opera coordinator

**Salary:** Commensurate with experience and qualifications

**Application deadline:** Sept. 21, 2008

**Position number:** 08142

**For more information:** Joan Linklater, Associate Dean, Chair, Instructor 1 (Operative Stage Director and Coach) Search Committee, Marcel A. Desautels Faculty of Music, University of Manitoba, 65 D'Arcy Road, Winnipeg, MB, R3T 2N2, fax 474 7546, e-mail: swesers@cc.umanitoba.ca.

#### FACULTY OF MEDICINE

**Department of Medicinal Physics**

**Position:** Assistant professor in medical physics

**Salary:** Commensurate with qualifications and experience

**Application deadline:** Sept. 2, 2008

**Position number:** 08155

**For more information:** Ms. Keri Heiland, research secretary, department of psychiatry, University of Manitoba, 260-727 McDermot Ave., Brodie Centre, Winnipeg, MB, R3E 3N4, e-mail: kheiland@hsc.medicinemanitoba.ca.

**Department of Medical Education**

**Winnipeg Regional Health Authority Position:** Mindermore professor in human simulation at the rank of associate professor or Professor, commensurate with experience

**Salary:** Commensurate with qualifications and experience

**Application deadline:** Oct. 6, 2008

**Position number:** 08382 and 08383

**For more information:** Dr. S. Clarke, PAEP, program director, and Dr. W. Fleisher, associate dean, medical education, office of physician assistant studies, Faculty of Medicine, University of Manitoba, 2127-770 Bannatyne Ave., Winnipeg, MB, R3E 0W3, fax 272 5068.

**Department of Psychiatry**

**Position:** Research Associate

**Salary:** Commensurate with experience

**Application deadline:** Sept. 21, 2008

**Position number:** 08155

**For more information:** Ms. Keri Heiland, research secretary, department of psychiatry, University of Manitoba, 260-727 Bannatyne Ave., Winnipeg, MB, R3E 3N4, e-mail: kheiland@hsc.medicinemanitoba.ca.

**Department of Psychology**

**Position:** Associate professor of statistics

**Salary:** Commensurate with qualifications and experience

**Application deadline:** Sept. 21, 2008

**Position number:** 08142

**For more information:** Joan Linklater, Associate Dean, Chair, Instructor 1 (Operative Stage Director and Coach) Search Committee, Marcel A. Desautels Faculty of Medicine, University of Manitoba, 65 D'Arcy Road, Winnipeg, MB, R3T 2N2, fax 474 7546, e-mail: swesers@cc.umanitoba.ca.

**FACULTY OF SCIENCE**

**Department of Biological Sciences, Position:** Assistant professor

**Salary:** Commensurate with qualifications and experience

**Application deadline:** Sept. 21, 2008

**Position number:** 08184

**For more information:** Dr. Judy Anderson, head, department of biological sciences, Faculty of Science, University of Manitoba at janders@cc.umanitoba.ca.

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### PHYSICIAN ASSISTANT EDUCATION PROGRAM (PAEP)

**Positions:** Two positions (contingent geographic full-time) in the field of Physician Assistant Education

**Salary:** Commensurate with qualifications and experience

**Application deadline:** Sept. 22, 2008

**Position Numbers:** 08382 and 08383

**For more information:** Ms. S. Clarke, PAEP, program director, and Dr. W. Fleisher, associate dean, medical education, office of physician assistant studies, Faculty of Medicine, University of Manitoba, 2127-770 Bannatyne Ave., Winnipeg, MB, R3E 0W3, fax 272 5068.
Dr. John Geoffrey Eales, biological sciences, distinguished professor emeritus, was recognized at the 6th International Symposium on Fish Endocrinology with the Lifetime Achievement Award in Fish Endocrinology. The award recognizes a number of distinguished fish endocrinologists each year who have retired. Geoff Eales has been a dominant force in fish endocrinology for more than 30 years. His specialty is in the field of thyroid endocrinology in fish. The rainbow trout is his favourite animal model, although he has also worked on other fish species including angnathans and cartilaginous fishes. His work has provided clarity on the role of thyroid hormones in fish physiology and has set the standard for investigations in comparative endocrinology.

Fish for thought

For a little something quirky, check out CBC Radio’s Quirks & Quarks archives at the June 14, 2008 show. It was taped in Winnipeg and featured seven University of Manitoba researchers who answered questions sent in by avid listeners. Featured professors were Linda Wilson (psychology), Alison Elliot (biochemistry & medical genetics), Phil Hultin (chemistry), Martin Scanlon (food science), John Page (physics), Jim Borowski (animal sciences, food technology and agricultural sciences), and Joanne Keselman (psychiatry, is on the council for the Research Ethics Board of the University of Manitoba, and the University of British Columbia, she co-authored a paper for Nature describing, for the first time, how 10,000 km³ of water burst from Lake Agassiz into Lake Superior near Thunder Bay and spilled into the Atlantic Ocean.

Importantly, this flood coincided with the advent of the Younger Dryas, a 1000-year global cold snap, which began around 12,900 years ago. “We concluded that the Thermohaline Circulation in the North Atlantic Ocean – or as it’s also known, the Gulf Stream – was slowed or stopped as a result of this giant influx of fresh water from Lake Agassiz, impacting on ocean circulation throughout the world,” Teller said. As would be the case today if the warm Gulf Stream waters stopped flowing into arctic latitudes, there was an abrupt cooling of many degrees around the North Atlantic Ocean in Europe, Greenland, and Maritime Canada that lasted until Lake Agassiz stopped overflowing into the North Atlantic.

After this paper came out, climate modelers saw how climate changes could be triggered by a single dramatic event, and now they are asking what would happen if Antarctica or Greenland suddenly experienced a catastrophic melt. To answer such questions though, modelers need a better idea of the timing of the flood bursts and their volumes, and Teller is trying to provide that information.

In his quest for answers though, he’s found a new avenue to explore. About the time the Younger Dryas cooling period occurred, a comet seems to have collided with the Plesioszoeic reef that damned Lake Agassiz. Evidence comes from the sedimentary record of other lakes scattered across North America, where concentrations of Elements like Iridium and Helium 3, and microscopic diamonds (commonly associated with extrarerestrial events) have been found in beds dated at 12,900 years ago – a time when Lake Agassiz and many other lakes in the Canadian Prairies catastrophically drained.

Could this extraretrrestrial event have triggered the Lake Agassiz outburst, which in turn induced the Younger Dryas cooling? Stay tuned.

Living Research to LIFE

In Brief

Studying an ancient catastrophe

BY SEAN MOORE Research Communications Officer

Between 13,000 and 8,000 years ago, or thereabouts, the world’s largest lake played an integral part in a catastrophe that changed the world, but what, exactly, was its role? The body of water was Glacial Lake Agassiz, and to put it in perspective it was larger than present-day Hudson Bay and at some stages in its life it covered what is now Winnipeg in 200 meters of water, which is about the height of two Richardsons Buildings.

For many people, the 2008 lake season is in its twilight days, but lake season never ends for Geological Sciences Professor James Teller because he has been studying this lake for the past 30 years. “People don’t think much about what happened during the cold hard years, but when they learn about giant Lake Agassiz they realize how important that lake was to past climate and early human history of the mid-continent, and to past ocean circulation and global climate change,” he said.

Teller researches pale climate and hydrological changes, using sedimentary records from lakes as a guide. His research primarily focuses on Lake Agassiz; its birth, death, and its outbursts in between. “It’s a formidable undertaking because of the complexity of the lake’s history,” Teller said.

Spatially it’s huge and you have roughly 5,000 years of history to cover. In addition, areas covered by the lake changed throughout time, and if you drill a hole at one spot, what you find may not be the same as what you will at another. So there’s a lot of puzzle pieces and they don’t all fit perfectly yet, but we’re working on that.”

Teller was the first to publish that overflow from Lake Agassiz was periodically catastrophic. His eureka moment came in 1980 when he spent a field season in the Thunder Bay region.

The fire season was serendipitously harsh that year and “we saw acres of giant boulders and deeply eroded bedrock that led me to conclude that there had been a gigantic flush of water across that area from glacial Lake Agassiz into the Great Lakes.”

Then, in 1989, at the urging of oceanographers from Columbia University and the University of California, he co-authored a paper for the journal Nature describing, for the first time, how 10,000 km³ of water burst from Lake Agassiz into Lake Superior near Thunder Bay and spilled into the Atlantic Ocean. Importantly, this flood coincided with the advent of the Younger Dryas, a 1000-year global cold snap, which began around 12,900 years ago. “We concluded that the Thermohaline Circulation in the North Atlantic Ocean – or as it’s also known, the Gulf Stream – was slowed or stopped as a result of this giant influx of fresh water from Lake Agassiz, impacting on ocean circulation throughout the world,” Teller said.

As would be the case today if the warm Gulf Stream waters stopped flowing into arctic latitudes, there was an abrupt cooling of many degrees around the North Atlantic Ocean in Europe, Greenland, and Maritime Canada that lasted until Lake Agassiz stopped overflowing into the North Atlantic.

After this paper came out, climate modelers saw how climate changes could be triggered by a single dramatic event, and now they are asking what would happen if Antarctica or Greenland suddenly experienced a catastrophic melt. To answer such questions though, modelers need a better idea of the timing of the flood bursts and their volumes, and Teller is trying to provide that information.

In his quest for answers though, he’s found a new avenue to explore. About the time the Younger Dryas cooling period occurred, a comet seems to have collided with the Plesioszoeic reef that damned Lake Agassiz. Evidence comes from the sedimentary record of other lakes scattered across North America, where concentrations of Elements like Iridium and Helium 3, and microscopic diamonds (commonly associated with extrareterrrestrial events) have been found in beds dated at 12,900 years ago – a time when Lake Agassiz and many other lakes in the Canadian Prairies catastrophically drained.

Could this extrareterrrestrial event have triggered the Lake Agassiz outburst, which in turn induced the Younger Dryas cooling? Stay tuned.

Keselman joins another council

BY SEAN MOORE Research Communications Officer

Joanne Keselman, Vice-President (Research) at the University of Manitoba was recently appointed to the Social Sciences and Humanities Research Council of Canada (SSHRC).

The announcement was made in May by the Honourable Jim Prentice, Minister of Industry and Minister responsible for SSHRC, an independent federal government agency that funds university-based research and graduate training.

Just last October her seven-year term ended. As Minister Prentice said in a release, “Her years of expertise in research administration will make a strong contribution to the Council as we continue to promote and support research in the social sciences and humanities.”

Keselman also sits on a variety of other boards. She is a member of the Premier of Manitoba’s Economic Advisory Council, a member of the board of directors of Destination Winnipeg, ISIS Canada, ArcticNet, and the International Centre of Infectious Diseases.

Currently, each federal granting council has a University of Manitoba representative where she served as Vice-President, ended.

As Minister Prentice said in a release, “Her years of expertise in research administration will make a strong contribution to the Council as we continue to promote and support research in the social sciences and humanities.”

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Currently, each federal granting council has a University of Manitoba faculty member on its board. James Blaik, civil engineering, is a council member for NSERC and Harvey Chochinov, psychiatry, is on the council for the Canadian Institutes of Health Research (CIHR).
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