

Who says exams are stressful?



Photo by Dale Barbour

From left, Chris Sokoliuk, Nicole Gareau, Warren Klassen and Shawn Trembath were giving study notes one last go over in the halls of the Engineering and Information Technology Building on April 17 before writing an exam on the History of Canada since 1921.

Books will build Afghan libraries

BY RENÉE BARCLAY
For The Bulletin

They're packed and ready to go.

A group of University of Manitoba students recently boxed hundreds of gently used medical, dental and nursing textbooks that will be sent overseas to help rebuild Afghanistan libraries destroyed by war.

Since January, students in the faculties of Medicine, Dentistry and Nursing have collected recently used textbooks to send via the Canadian Forces to universities in Kabul, Kandahar and Herat, under the Books with Wings project. Students at the University of Toronto, Memorial University of Newfoundland, and University of Western Ontario also helped out this year. The U of M students catalogued and boxed hundreds of textbooks on April 2.

"We have provided up-to-date books to start building libraries, and the experience has offered an opportunity for students to be involved in an important initiative, recognizing our broader professional responsibilities," said Marilyn Seguire, an instructor with the Faculty of Nursing, which collected about 250 books destined for Kabul and Kandahar.

While the boxes are ready for delivery to the Canadian Forces, shipment has been postponed because the students are waiting for another batch of textbooks.

"We are still trying to collect more dental books, and books are still coming from Memorial University and the University of Western Ontario, so we have postponed shipment to mid-May," said Richard Gordon, a professor with the department of radiology, who helped the students coordinate the project from the beginning.

See BOOKS/P. 2.

Bison athletes work against bullies

In February 2006, Bison Sports, in conjunction with Bison Athletes Council, embarked on an anti-bullying campaign called "Bisons Against Bullying".

Bison student-athletes have been arranging class visits to local schools across Winnipeg over the last two months and continue to book sessions throughout the school year.

The campaign consists of attending a classroom twice with a first visit presentation dealing with topics such as: What is bullying? Who gets bullied? Why do some people bully? The return visit is a follow up session with the same group of students to reinforce the message and to monitor progress.

Former Bison and Making the Cut hockey star Jordan Little conceived the

idea to deliver an anti-bullying message. Little drove the Athletes Council to take on this issue and deliver a positive message throughout the community. After hard work by Bison Sports and the athletes council, a plan to carry out Little's vision was set up.

The Bison Athletes Council is made up of representatives from each team and it serves as the voice of the Bison athletes at the University of Manitoba. These athletes attended a workshop on bullying using materials from the provincial Department of Education and other sources. Cheryl Collins, a retired teacher, took on the task of training and preparing the athletes for their school sessions.

During school visits, Bison athletes

work in teams of two to four depending on class sizes. The Bison athletes are reinforcing the anti-bullying messages that are already part of the schools' curriculum, and they have a bit of star-power to help get the messages across.

"They're semi-celebrities," said Bruce Kent, assistant athletic director. "The kids see the Bison student-athletes as role models who are taking time out to talk to them."

The Bison athletes are visiting a number of schools this spring and are planning to run the program again next year, said Kent, who also works with the Athletic Council to help organize the school visits. For more information, contact assistant athletic director Bruce Kent at 474 6987.

INSIDE STORIES

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- 4 Involving the family with clinical treatment
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Donation helps Faculty of Medicine remember its roots

BY KIMBERLEY CORNEILLIE

For The Bulletin

"My earliest recollection of medicine in Manitoba is of having dinner at my uncle's house in this little town and his being called to White Water Lake, which was just west of Boissevain... he was often called out during dinner....," said Charles Burton Stewart, (MD, 1928), nephew of Albert Ernest Finley, (MD, 1904).

Unfortunately, besides the memories there isn't much information about Dr. Finley and the stories he could tell. He was a man who dedicated his life to rural medicine, running call to call by foot or horse buggy. The one thing left of his memory was his box of original Weiss London surgical tools from 1904 that his family graciously donated to the Faculty of Medicine this past March.

Stewart, despite his parent's concern, followed in his uncle's footsteps. His uncle had impressed upon him the importance of caring for others and shared with him his passion for medicine. However, Stewart's parents were concerned that like his uncle, he too would die young due to overwork and exhaustion, as Finley often worked all hours leaving meals and his bed to treat others.

Finley born August 1870 in Amherst Island, Ontario, passed away at age 53 in his last place of practice, Elgin, Manitoba, in October, 1923. He was

a hobby farmer and a doctor.

The tools he used are some of the first instruments used in medicine. From 1904 to 1920 companies were beginning to develop many instruments to facilitate thoracic surgery such as rib retractors, rib shears and lung grasping forceps with rubber covered jaws. Other companies were developing uterine dilators, medical clamps, surgical saws for amputation and surgical instruments for joining bone fragments for cranial, facial, vertebral fractures. Finley's surgical case carried many of these tools.

It may seem that a donation of surgical tools is not as valuable as a monetary donation, but the information and history of the pieces is priceless. These instruments provide us with a means to measure how far medicine and treatment methods have come. Donations like these help us to remember the past and initiate new donations, both monetary and in-kind, to help build research, education and provide medical students with the aid necessary to continue to make a difference in health care.

Although all we have are Finley's tools, his



Albert Finley



Photo by Kimberley Corneillie

Albert Finley's turn of the century medical kit was recently donated to the Faculty of Medicine.

nephew Stewart went onto become the president of the Canadian Urological Association in 1952, and in 1953 became the chief of urology at the University of Manitoba, a position he held until his retirement in 1962. Stewart had the memory of how his uncle impressed upon him the value of a competent medical physician on the prairies. Finley's memory continues to motivate future medical generations as they too rush from their homes to attend to those patients who need them most.

Books project

From Page 1.

Medical students across Canada, led by the U of M, launched the Books with Wings project in 2002 as the Kabul Medical Library Project. A total of 3,400 books have been sent already, each valued at an average of \$150.

This year, the project was renamed and expanded beyond the city of Kabul. It also marked the first year that dentistry and nursing students participated in the project.

Organizers are still accepting cash donations to help cover the cost purchasing bookshelves for some of the libraries in Afghanistan. The shelving units will be purchased locally overseas. To make a donation, call 474 9195, and specify that it is for the Books with Wings project.

IN THE NEWS

BY CHRIS RUTKOWSKI

For The Bulletin

Here's a look at some of the places the University of Manitoba has been making news over the past few weeks.

- "Heart researcher appointed," *Winnipeg Free Press*, April 4
- "Bisons take aim at bullying," *Winnipeg Sun*, April 5
- "A lot of art on exhibit? Mais oui!," *Winnipeg Free Press*, April 6,
- "U of M medical students collect old textbooks for Afghanistan," CityTV, April 2 and CKY, April 2
- "No alarm bells in Manitoba flooding,"

(Jay Doering), *Globe and Mail*, April 7

• "Reaction to throne speech," (Paul Thomas), CBC Radio One, April 4

• "Eye-opening art," photo and caption about School of Art's Open House, *Winnipeg Free Press*, April 10

• "Art Smart," photo and caption about same, *Winnipeg Sun*, April 10

• "Bisons athletes try to beat bullying," *Winnipeg Free Press*, April 9

• "Man dies saving son, 6, from icy river in Banff," (Gordon Giesbrecht), *Globe and Mail*, April 10, 2006

The University of Manitoba was mentioned in wire stories about the

reconstruction of a mummy's face, announced by a museum in Harrisburg, Pennsylvania. Scans of the mummy were sent to Robert Hoppa in anthropology, who used the rapid prototyping system in his lab to create a 3-D image of the mummy. Coverage included:

- "Reconstruction reveals how Egyptian mummy may have looked in life", *Pittsburgh Post-Gazette*, April 6
- "Facial reconstruction yields wrinkly mummy", *Independent* (South Africa), April 6
- "Mummy's likeness displayed", NBC, April 6



UNIVERSITY
OF MANITOBA

Clayton H. Riddell Faculty of Environment, Earth, and Resources

Natural Resources Institute

Director

The University of Manitoba invites applications for the position of Director, Natural Resources Institute (NRI). This is an internal search, therefore, applications are invited from persons who hold a tenured-track/tenured position within the University of Manitoba. The appointment will take effect July 1, 2006 or as soon thereafter as may be mutually agreed.

Established in 1968, the NRI has a distinguished record of graduate education. The NRI offers the degrees of Master of Natural Resources Management (MNRM) and Ph.D. in Natural Resources and Environmental Management.

The successful candidate will have demonstrated leadership ability, administrative experience, and an understanding of interdisciplinary approaches to natural resources and environmental management and sustainable development. The successful candidate will have a proven record in teaching, research and scholarship, and must be an effective communicator with students, staff and others outside the Institute. Credentials include a Ph.D. or equivalent in a relevant discipline, experience in some aspect of natural resources and/or environmental management, and a demonstrated ability to work effectively with academic, private and public sectors. The position of Director is governed by By-Law 16.00 of the University Governance By-Laws.

Detailed information about the Institute may be found on website: http://www.umanitoba.ca/institutes/natural_resources and <http://www.umanitoba.ca/faculties/environment>.

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

Deadline for applications (including curriculum vitae and the names of three references) is May 23, 2006. Please send applications to: **Dean Leslie King, Clayton H. Riddell Faculty of Environment, Earth, and Resources, 445 Wallace Building, The University of Manitoba, Winnipeg, Manitoba R3T 2N2. Quote position# BH217 when applying.**

THE UNIVERSITY OF MANITOBA

Bulletin

The University of Manitoba Bulletin is published by the Public Affairs department every second Thursday from September to May and monthly from June to August.

Editor: Dale Barbour

Contributors: Chris Rutkowski, Frank Nolan, Chris Zuk, Renée Barclay, Kimberley Corneillie

Printing: Derksen Printers

General Advertising:

Dale Barbour 474 8111

Academic Advertising: Kathy Niziol 474 7195; Fax 474 7505

Submit Events to: barbourd@ms.umanitoba.ca

Deadline for Events for the May 4 Bulletin edition is April 26.

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474 8111

Mini-University could be for you (or your kids)

BY DALE BARBOUR
The Bulletin

There's more going on at Mini-University than you think.

"We're not just sport camps," children's program director Janice Grift said. "There's a lot of other special interest programs available for kids. We have computer camps, drama camps, law camps, nursing camps, you name it."

Mini-University is into its 27th summer and attracts an average of 7,100 children age four to 16 years old to the University of Manitoba every year.

"There are a lot of University of Manitoba employees who use the program. They drop off their kids in the morning on the way to work and pick them up when they're heading home again. You can also meet up with your child and go for lunch during the day," Grift said.

Running a little late at the office? No problem, the Mini-University staff can watch children between the hours of 8 a.m. and 5:30 p.m., giving people a little leeway on either side of the work day.

But while the Mini-University students have no problem making their presence known on campus during the summer, Grift says not everyone on campus understands the breadth of options available.

In all, there are over 50 different programs offered, running from July 4



Submitted photo

There's something for everyone at Mini-University and now is the time to think about registering your children for a program.

to Sept. 1. Camps can run from one to two weeks.

Athletic camps are an obvious staple, but Grift said the charm of the program really is in its diversity. For instance, Mini-U Zoo offers the

equivalent of a backstage pass to the Winnipeg Zoo.

"They get to work with a zoologist on campus and then they spend two days at the zoo learning how they feed the animals and take care of them,"

Grift said.

"We also have programs where kids can explore a variety of careers," Grift said. That list includes everything from the law, to the medical field, dentistry, pharmacy, and engineering.

The Mini-U kids can typically be spotted moving around the campus in packs during the summer. But Grift said, teenagers aren't as keen to run with the group. To that end, the university has launched some non-traditional programs including a Mini-University 1 camp aimed at 16-year-olds.

"They learn how to put together resumes, do a job search and look at different professions if they're trying to decide what they want to do when they grow up," Grift said. "They'll look at what they have to do now if they want to enter a particular field."

The backbone of the entire Mini-University experience are the 200 student workers who act as instructors, guides and general caretakers of the Mini-University kids.

"The thing I hear constantly is how great the instructors are. They're energetic and they just love working with the kids," Grift said.

Mini-University takes registrations throughout the summer, but the most popular classes do fill up fast. For more information about the program and details on how to register see umanitoba.ca/miniu.

U of M program provides help, maintains confidentiality

BY DALE BARBOUR
The Bulletin

The first step in getting people at the University of Manitoba to use the Employee Assistance Program? Reminding them that it exists.

"I don't know that all of them are aware that it's there. When people are first hired, they're told about the program, but we really need to remind them. If they were hired years ago and they're going through something now, they might not remember that we have a program that could help them," Pattie Dickieson said.

Dickieson is the AESES representative on the U of M's EAP committee. The committee represents staff and faculty members from across the university, sets the policy for the program, monitors it and ensures that confidentiality is maintained.

Simply put, the Employee Assistant Program is a confidential counselling program available to staff members

and recently retired staff members, along with their spouses and children. It allows people to discuss personal problems and concerns in a confidential environment away from the university.

"It's very valuable in terms of staff and their overall well being. It enables them to get at small issues before they become larger issues," staff benefits director Barbara Hanchard said. In the end no problem is too large or too small, the program is meant to cover everything from family problems, to personal challenges such as stress or depression to alcohol and drug concern. On the career side the counseling program can offer career planning for teenagers finishing high school and counseling for employees dealing with disappointment over missed job promotions.

The program is run through WarrenShepell Consultants. Counselling is done off campus and WarrenShepell is paid an annual fee for the service rather than invoicing per client. The university

knows that 329 clients used the services last year, but it doesn't have their names on file. Confidentiality even extends to ensuring that no two persons from the University of Manitoba will have back-to-back appointments with the same counselor, ensuring that people from the U of M will not accidentally bump into each other. By the same token, identifying messages are never left at home or work.

It all seems very cloak and dagger, but WarrenShepell account representative Carol Holub says confidentiality is critical to making the program work.

"The reality is for most people their biggest concern is confidentiality," Holub said. "People show more discomfort accessing mental health services than they do accessing physical health services."

In other words, people have no problem announcing that they're going to the doctor about a sore arm, but they're less quick to announce a trip to see a psychologist about depression.

"You feel very vulnerable, like you're being weak," Hanchard said.

That the Employee Assistance Program is run through an employer adds another twist – people can be concerned that accessing a program to deal with a specific problem could negatively impact their employment.

But it won't – because what's discussed in the counseling sessions stays between the client and their counselor.

The EAP committee includes Barbara Hanchard, staff benefits, Dennis Felbel and Tom Booth, UMFA, Tony Bacon, AESES (Security), Jack Wallace, University Medical Group, Pattie Dickieson, AESES, Linda Lavallee, EMAPS, Charlie Johnson, CAW, and Donna Parkhurst, CUPE Local 1482. The committee can be reached through Jindra Vancura at 474 8288.

For first time appointments with the Employee Assistance Program call 1 800 387 4765.

Survey taps student views on faculty

The annual study conducted by the Canadian Undergraduate Survey Consortium reports on undergraduate students' satisfaction with faculty. Almost 12, 800 undergraduate students at 28 universities across Canada took part in the survey, including the University of Manitoba, a founding member of the CUSC and annual participant.

Students were asked to agree or disagree with statements ranging from whether they feel their professors encourage class discussions and are accessible outside of class to if they feel professors are sensitive to gender issues and how free students feel to turn to professors for advice on personal matters.

According to the study, most

students surveyed are satisfied with their professors, and results for students nationally, at comparable universities and at the University of Manitoba, are all similar.

More than eight out of 10 students feel their professors encourage class discussion, are accessible outside class and are sensitive to racial issues. The majority of students also feel professors look out for student interests, treat students as individuals and have a positive influence on their academic career.

The only exception came with the statement regarding whether students feel free to turn to professors for advice on personal matters. Only about four out of 10 agreed with that statement.

Expecting Visitors This Summer?

Arthur V. Mauro Student Residence

This year, invite your visiting colleagues, family members, and friends to stay on campus at the Arthur V. Mauro Student Residence.



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Family can be friend or foe when treating patients

Books by University Staff

BY DALE BARBOUR
The Bulletin

If you don't take the family into account when you're dealing with chronically ill patients, then you really don't have the full picture.

Social work and clinical health psychology professor Ranjan Roy's latest book, *Chronic Pain and Family: A Clinical Perspective*, shows why the family needs to be front and centre when considering the needs of the patient.

"The family can be a great ally to treating a chronically ill patient or they can be a great hindrance," Roy said. "This book talks about why the family should be brought in and what the role of the family is in treating chronic pain."

People have been catching on to that reality – Roy said over the past 20 years there has been a proliferation of research focused on the family. What *Chronic Pain and Family* does is pull all that new information together into one package that can be used by clinical psychologists and clinical social workers engaged in providing therapy to chronic pain patients and their families.

"It really makes a case for why the family has to be integral to all of this," Roy said.

When a family member has a chronic illness it impacts the entire family.

"It alters the family dynamics – they need to reorganize to function," Roy said. The impact is greatest on the spouse, assuming it is one of the parents that has a chronic illness. The healthy

spouse is often forced to step forward and take on more responsibilities in the workplace and at home. By contrast, the family member suffering from the illness has to deal with the psychological loss of his or her regular role in the family, an easy ingredient for depression when combined with the illness.

In contrast, Roy said the children of chronic pain patients are the least affected in the family, although they too have to deal with parents taking on different roles or not being able to spend time and interact with them like they could before.

From the perspective of the patients, Roy said the family can be the perfect support system. But in some cases, that support can be a hindrance to the patient recovering or receiving proper care.

"The partner can reinforce illness behaviour which can be detrimental to the patient's recovery," Roy said. "Say the patient gets up in the morning and says, 'my back hurts.' The patient's partner might say, 'Take it easy or don't go into work,' but the purpose of rehabilitation is to make that person function." Roy said.

In all, *Chronic Pain and Family* has a dozen chapters looking at everything from the nature of families, to chronic pain and sexual relations, to spousal abuse. While the book pulls together the existing literature on the subject, it is also a call for more research into family therapy as an integral part of treatment.

"We don't know how effective family therapy is with chronic pain problems. Anecdotally, we know family therapy is a big part of treating patients with chronic illnesses, but we don't have the research information to back up that view yet," Roy said.

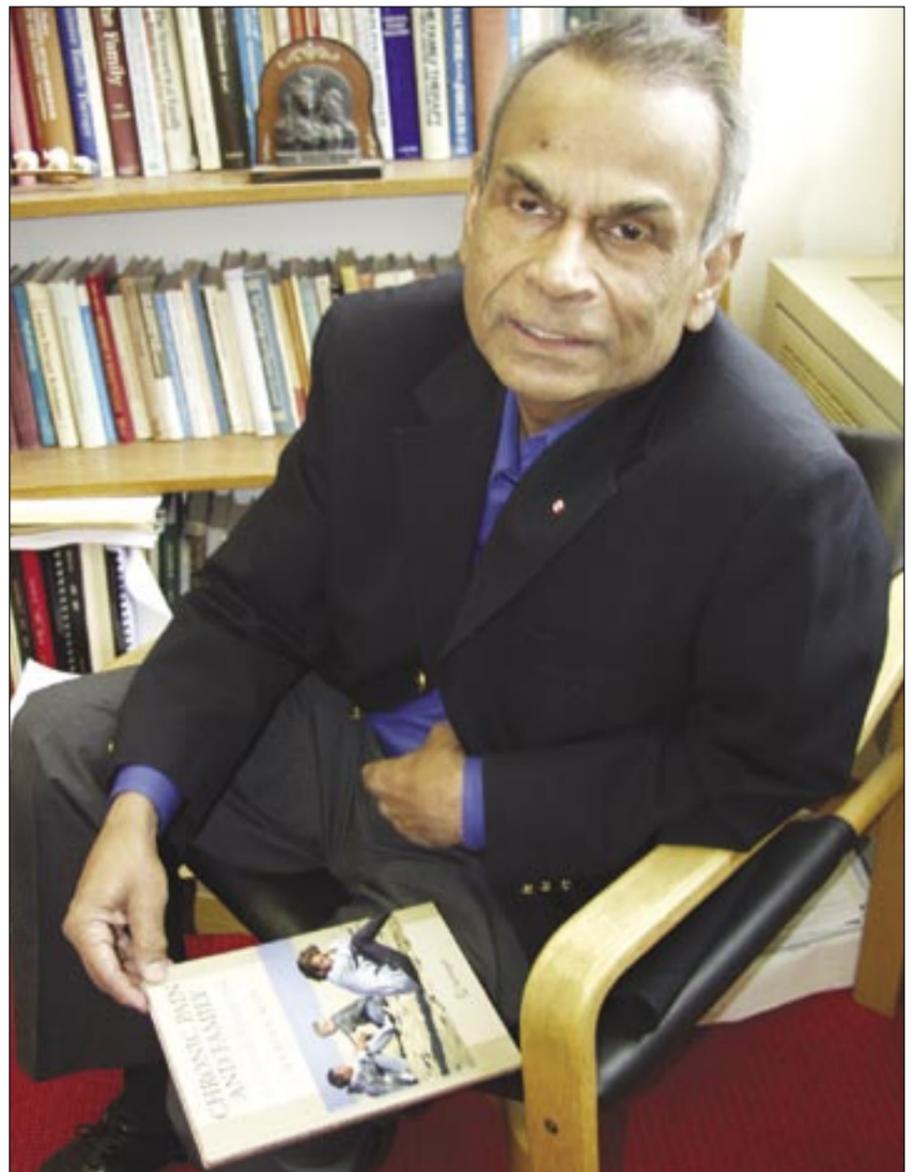


Photo by Dale Barbour

Social work and clinical health psychology professor Ranjan Roy's latest book *Chronic Pain and Family: A Clinical Perspective* shows how the family plays a critical role when treating patients with chronic illnesses.

SENATE BRIEFS

Senate approved a series of new program proposals at its April 5 meeting:

- The School of Art's proposal for a master of fine arts degree program was approved and sent on to the Council on Post-Secondary Education for consideration. It would create the first graduate degree at the School of Art – traditionally the MFA is regarded as the terminal academic degree in fine arts. The program will eventually hold 24 students.

- Extended Education's proposal

for a new post baccalaureate certificate in manufacturing engineering was approved. The certificate program will be offered through a partnership between the Faculty of Engineering, Extended Education, and Red River College.

- The Council on Post-Secondary Education has approved the master of public health program and the establishment of PhD programs in design and planning. Because the new programs don't require any additional resources the university will be able to implement them immediately.

Happy Anniversary!



Submitted photo

Over 300 people were on hand to celebrate The Centre for Ukrainian Canadian Studies 25th anniversary with a concert held on March 26, at St. John's College chapel. The program featured two choirs, the Olexander Koshetz Choir of Winnipeg and the University of Manitoba women's choir with a unique program of rare archival music, including the North American premiere of Michael Balfe's 1862 cantata *Mazeppa*.

Good year for fundraising

SENATE BRIEFS

It's been another successful year of fundraising at the University of Manitoba. The U of M raised \$21.8 million for the fiscal year ending March 31, 2006.

"Our priorities going into the next year will be capital projects and student supports," vice-president (external) Elaine Goldie said.

JULY 1

We're going to have a holiday Monday, rather than a holiday Friday. The University of Manitoba has decided to observe the Canada Day holiday on Monday, July 3 rather than June 30 as was originally set out in the 2006-2007 academic schedule. The change falls in line with other large employers in the province.

IN MEMORIAM

Senate paid its respects to three former faculty members at its April 5 regular meeting. Murray Donnelly, 86, died on Feb. 1 at Victoria General Hospital. Originally from Nova Scotia, Donnelly first taught political science at the University of Manitoba in 1949 and then returned as a professor in 1960 and stayed until his retirement in 1987. Donnelly served, among other positions, as the second provost of University College from 1966 to 1978. In many ways, Donnelly set the character of University College, actively recruiting controversial and topical guest lecturers and engaging in rousing debates with the "radiator radicals," a group of students who had a penchant for parking themselves on the radiators lining the walls of the junior common

room and holding forth on a variety of subjects.

John Laurence Hamerton, Faculty of Medicine, died on Feb. 9 at 76-years of age. Born in Hove, England, Hamerton was drawn to Canada in 1969 by the opportunity to create the Winnipeg Children's Hospital's first human genetics department. Named a distinguished professor emeritus at the University of Manitoba, Hamerton was actively involved in ethical issues related to the Human Genome Project.

Cecile Clayton-Gouthro, Faculty of Human Ecology, died on Feb. 11. Clayton-Gouthro joined the department of clothing and textiles, now known as textile sciences, as a lecturer in 1986 and advanced to associate professor. She was instrumental in developing and sustaining the Clothing and Textiles Hallway Museum. The contents of the museum now reside at the Costume Museum of Canada in Dugald.

UNITED WAY

President Emöke Szathmáry's report credited the university community for raising \$443,440 for the United Way. The report noted the total included \$5,000 raised by UMSU through the proceeds of a pre-Christmas social event. The amount raised by the university's campaign is second only to the Government of Canada campaign in the top 50 workplace campaigns in Winnipeg.

UNIVERSITY OF MANITOBA

Events Listing

- The Bulletin publishes events involving the university community.
- E-mail events to barbourd@ms.umanitoba.ca or fax, 474 7631.
- The deadline for the May 4 Bulletin is April 26 at 4:30 p.m.

Bannatyne Campus

AND ST. BONIFACE RESEARCH CENTRE

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

THURSDAY, APRIL 20

Immunology, Mislocalization of CREB due to its interaction with APP but not reduction in phosphorylation status is associated with neurodegeneration in Alzheimer's disease by Francis Amara, associate professor, biochemistry and medical genetics division of neurodegenerative disorders, St. Boniface Hospital, Immunology Library 604/605 Basic Medical Sciences Building, 12 p.m., Thursday, April 20.

FRIDAY, APRIL 21

Community Health Sciences, Meeting the Challenges of Measuring Wellness: The WISER Program by Alex Segall, sociology, community health sciences, research affiliate, Health, Leisure and Human Performance Research Institute and Centre on Aging, Dr. Betty Havens Seminar Room, R060 Medical Rehabilitation Building, 771 McDermot Ave., 12 p.m., Friday, April 21.

MONDAY, APRIL 24

National Training Program in Allergy and Asthma Research, Title TBA by Louise Giles, pediatrics and child health, Immunology Library 604/605 Basic Medical Sciences Building, 3:30 p.m., Monday, April 24.

TUESDAY, APRIL 25

Internal Medicine: Metro Ogrzylo Memorial Lecture, Will Rheumatologists have a Job in Ten Years by Alan Silman, director, Arthritis Research Campaign Epidemiology Unit, Manchester, U.K., Theatre A Basic Medical Sciences Building, linked to NG002 St. Boniface Hospital, 8 a.m., Tuesday, April 25.

WEDNESDAY, APRIL 26

Biochemistry and Medical Genetics, Caspase- Dependent and Caspase-Independent Pathways as Targets for Cancer Therapy Development by Dina Johar and Characterization and functional overexpression of calreticulin in mice by Behzad Yeganeh, Theatre A Mezzanine, Basic Medical Sciences Building, 12:15 p.m., Wednesday, April 26.

THURSDAY, APRIL 27

Immunology Annual Graduate Student Research Presentations, The role of glycoposphate conjugates in innate immunity in mice infected with Leishmania Major by Dong Liu, and Immunology Annual Graduate Student Research Presentations, B lymphocyte activation - signaling roles of adaptor protein in PI3K pathway by Samuel Cheung, Immunology Library 604/605 Basic Medical Sciences Building, 12 p.m., Thursday, April 27.

FRIDAY, APRIL 28

Medical Microbiology PhD Defense, Investigation of Fluoroquinolone Resistance-Associated Mutations in Canadian Clinical Isolates and Laboratory Mutants of Streptococcus pneumoniae by Heather Adam, Theatre F Basic Medical Sciences Building, 9:30 a.m., Friday, April 28.

Community Health Sciences, The Canadian Virtual Hospice and Children: Playground or Minefield by Carla Ens, PhD student, community health sciences, WRTC (Western Regional Training Centre for Health Services Research) sponsored Fellow, Dr. Betty Havens Seminar Room, R060 Medical Rehabilitation Building, 771 McDermot Ave., 12 p.m., Friday, April 28.

Medical Genetics Academic Session, Pregnancy Termination by Mark Bernier, CH 181/183 Childrens Hospital, 840 Sherbrook Ave., 3:15 p.m., Friday, April 28.

SATURDAY, APRIL 29

Diabetes Education Resource for Children and Adolescents with Gina Rayat of the Islet Cell Transplantation team from the University of Alberta. The one-day event will focus on type 1 diabetes research. Along with Rayat, Manitoba researchers will present on current research being done right here in Manitoba. The event runs 10 a.m. to 2:30 p.m., Saturday, April 29, Theatre A Basic Medical Sciences Building. To register call Pat at 204-787-1021.

MONDAY, MAY 1

National Training Program in Allergy and Asthma Research, Mentors' Overview Series with Drs. A. Soussi Gounni and A. Halayko, Immunology Library 604/605 Basic Medical Sciences Building, 3:30 p.m., Monday, May 1.

Manitoba Institute of Cell Biology, Microarray and Functional Genomics, Gene Expression Bioinformatics, Data Analysis, Mining and Interpretation by Kaveh Mashayekhi, Alexander Fleming Biomedical Science Research Center, Institute of Molecular Biology and Genetics, Athens, Greece, ON2134 Lecture Theatre CancerCare Manitoba Building, 4 p.m., Monday, May 1.

WEDNESDAY, MAY 3

Biochemistry and Medical Genetics, Mechanisms of prox1 mediated target gene regulation by Shannon Baxter and Transgenic Characterization of C2f Gene in the Development of Human Bowen-Conradi System by Yangyao Tan, Theatre A Mezzanine, Basic Medical Sciences Building, 12:15 p.m., Wednesday, May 3.

Events continue on Page 6.

Arts & Entertainment

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.

BISON MEN'S CHORUS**SPRING CONCERT**

Friday, April 28, 7:30 p.m.

First Presbyterian Church

This year marks the 21st Anniversary for the Bison Men's Chorus at the University of Manitoba. In celebration of this event, the chorus, directed by Steve Denby, will present its Annual Spring Concert on Friday, April 28 at First Presbyterian Church, corner of Canora Street and Picardy Place (next to Vimy Ridge Park). In addition to selections sung by the chorus, the concert will feature two groups from within the Chorus, The Gallery Minstrels and The Triad Singers. Tickets are \$10 for adults and \$5 for students. Children 12 and under are free. Tickets may be obtained from any member of the Chorus or at the door on the evening of the performance. There will be a reception after the concert in the church hall. Additional information about this concert can be obtained from Steve Denby, director of the chorus (889 4950) or Bob Stewart, president of the chorus (453-5440).

DR. PAUL H.T. THORLAKSON GALLERY

The Iceland Reading Room, Elizabeth Dafoe Library, University of Manitoba
Gallery hours: Mon. - Fri. 9 a.m. - 5 p.m. (Weekend openings being arranged.)

MODERN RAIDERS – VÍKINGAR NÚTÍMANS

March 19 to April 25

The Modern Raiders exhibit includes the work of Jón Óskar and Hekla Dögg Jónsdóttir. There is a cultural ambiguity in the works of the artists, both from Iceland, that is symbolic of how the world is constantly shrinking and creating more opportunities for cultural conflict. For further information call 474 6345 or e-mail sigrid_johnson@umanitoba.ca.

Fort Garry Campus

FRIDAY, APRIL 21

Civil Engineering PhD Oral Defense, Hydrogen-Driven Denitrification of Nitrate Contaminated Streams by Babak Rezaei, E2 - 365 Engineering and Information Technology Building, 10 a.m., Friday, April 21.

Engineering PhD Oral Defense, Filament Winding of Long Tapered Tubes by Mr. Vladimir Burachynsky, E2 - 164 Engineering and Information Technology Building, 2 p.m., Friday, April 21.

Mathematics, Chaos by Chandra Podder, 415 Machray Hall, 2:30 p.m., Friday, April 21.

TUESDAY, APRIL 25

Food and Nutritional Sciences PhD Oral Examination, Use of the Milk Protein Lactoferrin as a Natural Antimicrobial in Meat Products by Anas Al-Nabulsi, 245 Ellis Building, 10:30 a.m., Tuesday, April 25.

Universal Algebra and Lattice Theory, Sectionally complemented chopped lattices by George Gratzner, 418 Machray Hall, 2:30 p.m., Tuesday, April 25.

Nursing: Dr. Helen Glass Researcher in Residence, Lost in Translation: Evidence-Based Practice in Nursing by Carole Estabrooks, professor & Canada Research Chair in Knowledge Translation, Faculty of Nursing, University of Alberta, Ballroom C Delta Winnipeg, 350 St. Mary Ave., 6 p.m., Tuesday, April 25. RSVP 474-9080.

WEDNESDAY, APRIL 26

Nursing: Dr. Helen Glass Researcher in Residence, Knowledge Translation: Current Thoughts on the State of

the Science by Carole Estabrooks, professor & Canada Research Chair in Knowledge Translation, Faculty of Nursing, University of Alberta, 260 Helen Glass Centre for Nursing, 2 p.m., Wednesday, April 26. RSVP 474-9080.

FRIDAY, APRIL 28

Psychology, Teaching safety skills to children to prevent firearm injuries: Issues in training, generalization, and dissemination by Raymond G. Miltenberger, North Dakota State University, P412 Duff Roblin Building, 12:30 p.m., Friday, April 28.

Chemistry, 'And they are the very devil to study' Structural biology of a most difficult group of biological molecules by Jamie Galka, chemistry, 540 Parker Building, 2:30 p.m., Friday, April 28.

MONDAY, MAY 1

Centre for Defence and Security Studies, Key Recommendations on Enhancing Canada-U.S. Defence Cooperation by Captain P. McClune and Captain R. Bergeron, co-directors, Bi-National Planning Group, Peterson Air Force Base, Colorado Springs, Colorado, Private Dining Room, University College, 1:30 p.m., Monday, May 1.

TUESDAY, MAY 2

Universal Algebra and Lattice Theory, Some new lattice implications by R. Padmanabhan, 418 Machray Hall, 2:30 p.m., Tuesday, May 2.

Psychology, Title TBA by Norman Spear, department of psychology, State University of New York at Binghamton, P412 Duff Roblin Building, 3 p.m., Tuesday, May 2.

Events Listing

Continued from Page 5.

THURSDAY, MAY 4

Immunology, Infrared Spectroscopy: A new tool for clinical diagnosis by Kan-Zhi Liu, research officer, Molecular Spectroscopy, Institute for Biodiagnostics, National Research Council of Canada, Immunology Library 604/605 Basic Medical Sciences Building, 12 p.m., Thursday, May 4.

FRIDAY, MAY 5

Pharmacology, Reflex Regulation by Portal Blood Flow on Renal Function in Health and Liver Disease: Role of Adenosine by Zhi Ming, research associate, pharmacology and therapeutics, Pharmacology Library A229 Chown Building, 9 a.m., Friday, May 5.

Community Health Sciences, Public Perceptions of Drinking Water Risks in a post-Walkerton Climate: A Preliminary Analysis by Michelle Driedger, assistant professor, community health sciences, Dr. Betty Havens Seminar Room R060 Medical Rehabilitation Building, 771 McDermot Ave., 12 p.m., Friday, May 5.

THURSDAY, MAY 25

Clinical Health Psychology, ADHD in Adults: Diagnostic Considerations by Jan Wilson, Clinical Psychologist, Regional Assessment and Resource Centre, Queen's University, PX-236 PsychHealth Theatre, 771 Bannatyne Ave., 3 p.m., Thursday, May 25.

ACADEMIC JOB OPPORTUNITIES

A full listing of employment opportunities at the University of Manitoba can be found at www.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.

FACULTY OF ENGINEERING

Department of Civil Engineering
Position: Assistant professor in water resources engineering, term position
Start date: July 1, 2006, position runs until July, 2010
Application deadline: May 20
Position number: 03992
For information: Dr. P. Rasmussen, acting head, department of civil engineering, University of Manitoba, Winnipeg, MB, R3T 5V6, e-mail rasmusse@cc.umanitoba.ca.

FACULTY OF MEDICINE

Department of Clinical Health Psychology
Winnipeg Regional Health Authority
Clinical Health Psychology Programme
Position: Clinical neuropsychologist at the assistant professor level. The position will be based at Riverview Health Centre and the Health Sciences Centre in Winnipeg.
Start date: July 1
Salary: An attractive salary schedule is available and, in addition, the GFT agreement provides for on-site private practice opportunities
Application deadline: May 20
Position number: ABF 986
For information: Dr. Robert McIlwraith, department of clinical health psychology, Faculty of Medicine, University of Manitoba, PZ 350 - 771 Bannatyne Ave., Winnipeg, MB, R3E 3N4, phone 787 3876, fax 787 3755, e-mail: bmcilwraith@hsc.mb.ca.

Department of Clinical Health Psychology

Position: Clinical psychologist at the assistant professor level. The position will be based in Thompson, MB, providing psychological services to the Burntwood Regional Health Authority.
Start date: July 1
Salary: An attractive salary schedule is available and, in addition, the GFT agreement provides for on-site private practice opportunities
Application deadline: May 20
Position number: AEM 422
For information: Dr. Robert McIlwraith, department of clinical health psychology, Faculty of Medicine, University of Manitoba, PZ 350 - 771 Bannatyne Ave., Winnipeg, MB, R3E 3N4, phone 787 3876, fax 787 3755, e-mail: bmcilwraith@hsc.mb.ca.

Department of Clinical Health Psychology

Position: Clinical psychologist at the assistant professor level. The position will be based in Flin Flon, MB, providing psychological services to the Nor-Man Regional Health Authority
Start date: July 1
Salary: An attractive salary schedule is available and, in addition, the GFT agreement provides for on-site private practice opportunities
Application deadline: May 20
Position number: AEA 292
For information: Dr. Robert McIlwraith, department of clinical health psychology, Faculty of Medicine, University of Manitoba, PZ 350 - 771 Bannatyne Ave., Winnipeg, MB, R3E 3N4, phone 787 3876, fax 787 3755, e-mail: bmcilwraith@hsc.mb.ca.

Department of Medical Microbiology

Laboratory Medicine Program of the Diagnostic Services of Manitoba Medical
Position: Medical microbiologist
Start date: July 1
Salary: Commensurate with the candidate's experience and qualifications
Application deadline: June 12
For information: Dr. Godfrey Harding, medical director, clinical microbiology discipline, Diagnostic Services of Manitoba, L4025-409 Tache Ave., Winnipeg, MB, R2H 2A6, phone 237 2657, fax 237 7678, e-mail gharding@sbgh.mb.ca

CLARIFICATION

The Louis Riel bursary is even more generous than indicated in our article, "Riel fund boosted," in the April 6 *Bulletin*. The U of M expects to see 52 students receive the bursary this year. The bursary is also available to returning Métis students.

Advertise in **The Bulletin**
For details call 474 8111

CLASSIFIED ADS

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

GARAGE SALE: Trinity United Church, Fort Richmond (933 Summerside, next to Fort Richmond Collegiate). Saturday, April 29, 8 a.m. to 1 p.m. Treasures, household goods, furniture, kitchenware, books, bake sale, hot dogs BBQ, etc. Hope to see you there!!



Faculty of Medicine

UNIVERSITY OF MANITOBA Department of Family Medicine

Education Director

The Department of Family Medicine, Faculty of Medicine, University of Manitoba invites applications for the full-time position of Education Director at the rank of Instructor I. Position Number: 02699. The Department of Family Medicine offers education in family medicine and primary care to undergraduate and postgraduate medical trainees. This education is delivered at multiple sites in Winnipeg, rural and northern Manitoba. The start date of the position is July 1, 2006 or as soon thereafter as possible. The tasks of the Education Director fall into five major areas: 1) Educational program/curriculum development; 2) Instructional quality improvement; 3) evaluation of program and learners, 4) Teaching and 5) Research.

Specific duties of the Education Director will vary with the needs of the Department. However, primary responsibilities will include:

- Within the Departmental framework, participate in the planning, development, administration, and evaluation of the educational programs of the department;
- Act as the program's Resident Evaluation Coordinator;
- Establish effective liaison with other specialty rotations to communicate objectives and evaluation of family medicine residents;
- Participates in the identification of residents and subsequent development of an educational prescription for residents who are having educational difficulties;
- Provides, or oversees, the orientation and instructional-skill development of faculty;
- Participates in the teaching of appropriate educational and clinical-care content to family medicine residents and undergraduate medical students; and
- Produces appropriate scholarly work on medical education / family medicine resident education for publication, presentation and dissemination.

Qualifications:

- Completion of or nearing completion of, a Masters of Education – preferably with a focus on medical education. An acceptable equivalent combination of education and experience may be considered.
- Health care professional preferred.
- Skilled at Word processing, presentation and data management software
- Communicating clearly both in writing and verbally
- Organizational skills
- Giving feedback
- Analyzing educational needs and planning appropriate solutions
- Evaluation strategies
- Team building

The University of Manitoba is a major research university located in the city of Winnipeg. The city has a rich cultural environment with symphony, opera, dance, theatre and ethnic festivals. The region also provides ample opportunities for outdoor recreation in all seasons.

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.

Salary will be commensurate with experience and academic qualifications. Applications, accompanied by a curriculum vitae, a list of publications and three references, should be sent to:

Dr. L. Reynolds
Department of Family Medicine
E6003 St. Boniface General Hospital
409 Tache Ave.
Winnipeg, Manitoba
R2H 2A6
Fax 231-0302
Email: lreynolds@sbgh.mb.ca

Application closing date is May 22, 2006.

Application materials, including letter of reference, will be handled in accordance with the Freedom of Information and Protection of Privacy Act (Manitoba).



RESEARCH NEWS

Comments, submissions
and event listings to:
stefaniu@ms.umanitoba.ca
Phone: (204) 474-9020
Fax: (204) 261-3473

Finding ways to improve poultry feed formulation

By Frank Nolan, Research Promotion Officer

A new project in the Faculty of Agricultural and Food Sciences is examining better ways to formulate poultry feed. The project could not only improve production efficiency, it could also have significant environmental benefits.

Amino acids are among the most important, and most expensive, components of poultry feed. These protein building blocks provide young chicks and adult birds with the raw materials they need for healthy growth, development, and production.

Knowing exactly how much amino acid content to include in poultry feed is one of the major problems faced by commercial feed producers. If the level is too low, the birds won't get the nutrients they need, and if the level is too high, any excess amino acids are broken down and excreted as nitrogen, which is a major environmental concern.

To ensure adequate levels, many feed producers include a wide safety margin when determining how much protein content to include in poultry feed. This margin can be as high as 15 per cent, which adds extra cost to the feed and increases the potential for higher

nitrogen levels in manure.

"Currently, poultry feed formulation with respect to amino acids relies on digestibility coefficients generated using adult roosters," said Martin Nyachoti, animal science. "The question, though, is whether or not those adult roosters with their more developed digestive systems are physiologically similar to young chicks. We think there is a significant difference."

Nyachoti is investigating ways to generate more accurate digestibility coefficients for amino acids. His project recently received \$75,000 in new funding from the Natural Sciences and Engineering Research Council of Canada (NSERC).

"Reducing cost is definitely one of the benefits we think will come out of this project," he said. "If you're using the right digestibility coefficients, you can avoid the large safety margins when you formulate the diets, which can lead to significant cost benefits in the end."

Nyachoti's research is focused on amino acids derived from feed ingredients important to the prairie region, including wheat, peas, flax,



Photo by Frank Nolan

Martin Nyachoti, animal science, is researching optimum amino acid content in poultry feed.

corn and distiller's grains. For each ingredient, he will collect five samples from locations in Manitoba, Saskatchewan and Alberta, and quantify digestible amino acid coefficients using young broiler chicks.

"There is a huge interest in this research, from industry as well as

academia," he said. "This project will be conducted entirely at the University of Manitoba, but it is also a satellite part of a much larger program that involves industry partners and several universities in the United States that are working on the same kind of research."

Institute of Cardiovascular Sciences has a new director

The University of Manitoba and St. Boniface General Hospital have announced the appointment of Larry Hryshko as director of the Institute of Cardiovascular Sciences.

Hryshko, physiology, holds a Canada Research Chair in Cardiac Electrophysiology. He has been published in such prestigious works as the *Handbook of Physiology and in Cardiac Electrophysiology: From Cell to Bedside*, a widely utilized clinical textbook.

Hryshko succeeds Naranjan Dhalla, a world-renowned heart researcher and distinguished professor of physiology at the University of Manitoba. Dhalla is stepping down after two decades as head of the Division of Cardiovascular Sciences, which became the Institute of Cardiovascular Sciences in 1996.

Hryshko joined the Division of Cardiovascular Sciences in 1994, and has been a member of the Institute of Cardiovascular Sciences at the St. Boniface Hospital Research Centre since its creation. He and his team of researchers investigate the molecular properties of sodium-calcium exchangers - proteins essential for normal cardiac function. Hryshko's

laboratory collaborates locally, nationally, and internationally with academic research laboratories and pharmaceutical companies.

"I am very pleased that the new Director of the Institute of Cardiovascular Sciences is one of the University's and St. Boniface's leading researchers," said Michel Tétreault, President and CEO of St. Boniface General Hospital. "I believe that Dr. Hryshko's vision for cardiovascular research will significantly advance research in this field and assist in making our province a centre of cardiovascular excellence not only in research but in patient care."

"I congratulate Dr. Hryshko on his appointment as Director of the Institute of Cardiovascular Sciences," said University of Manitoba President and Vice-Chancellor Emőke Szathmáry. "He is an outstanding scientist who will continue the tradition of excellence established by Dr. Dhalla. We are very proud of the long-standing partnership with St. Boniface General Hospital that this Institute represents. Collaborative partnerships such as the Institute contribute greatly to health research."

Widely regarded as one of the pre-eminent basic cardiovascular research programs in the world, the Institute of Cardiovascular Sciences is a partnership between the University of Manitoba and St. Boniface General Hospital, and is a leading force in the fight against heart disease at the cellular and molecular levels. This multidisciplinary program includes over 80 researchers

investigating cardiac pathophysiology, electro-physiology, cellular and molecular biology. The Institute is also home to the journal *Molecular and Cellular Biochemistry*, the International Academy of Cardiovascular Sciences, and its journal *Experimental & Clinical Cardiology*.



(Photo courtesy of the St. Boniface General Hospital Research Centre)

Larry Hryshko, Canada Research Chair in Cardiac Electrophysiology.

Bringing Research TO LIFE

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the Office of the
Vice-President (Research)
www.umanitoba.ca/research

Success happens on the ice and in the pool

No matter where you looked, 2005-06 was a good season for the Bisons

BY CHRIS ZUK

Bison Sports Information Officer

The Bisons have had plenty to celebrate over the past year. One team came home with a CIS bronze medal and five out of the eight Bison teams made it into the CIS playoffs.

To celebrate, the Manitoba Bisons handed out their year-end hardware at the annual Brown and Gold Banquet held at Canad Inns Fort Garry on Saturday, April 8.

Bisons Landice Yestrau and Kevin Saurette were named as Bison Sports Female and Male Athletes of the Year for the 2005-06 season. Men's Volleyball Head Coach Garth Pischke was selected as Bison Sports Coach of the Year.

Yestrau is only the second female swimmer to be honoured with this award in its 43-year history.

Yestrau is the third rookie Bison athlete and first in 22 years to win Athlete of the Year honour. She is the first rookie to capture the top honour since NHL hockey star Mike Ridley was named Bison Sports Male Athlete of the Year in 1983-84 season. The other Bison rookie to win was Nancy Bossuyt in gymnastics.

Female athletes have been given the year-end Athlete of the Year award since the 1963-64 season and there has been two swimming athletes selected. This

ranks behind volleyball (18), basketball (14), track and field (8) and gymnastics (3).

April turned into a double gold month for Yestrau – along with being recognized by the University of Manitoba, she was honoured as Sport Manitoba's female athlete of the year based on her efforts in 2005. Sport Manitoba's award winners were announced on April 11 and were determined from a group of 36 nominees put forward by Provincial Sport Organizations and selected by members of the Manitoba sports media.

Meanwhile, Kevin Saurette's selection as Male Athlete of the Year by Bison Sports makes it back-to-back for male hockey athletes (Paul Deniset last season) to be selected as Bison Male Athlete of the Year. It's the second time for hockey to be selected in consecutive seasons since the 1960s in the 47 year history of the award. Saurette completed his career with an outstanding year during the 2005-06 season.



Garth Pischke



Submitted images

Bison Sports recognized its coach of the year, Garth Pischke, top left, female athlete of the year, Landice Yestrau, above, and male athlete of the year Kevin Saurette at its Brown and Gold Banquet on April 8.

Bison Male Athletes of the Year have been selected since the 1959-60 season with men's hockey players chosen 14 times. This is tied for first with volleyball (14) and followed by football (8), basketball (6) and track and field (5).

Along with the Athletes of the Year,

Garth Pischke was selected for the first time as Bison Sports Coach of the Year in the three year history of the award. He had a tremendous season as he coached the men's volleyball team to the CIS National Championship and a bronze medal finish.

LANDICE YESTRAU

Highlights from Yestrau's rookie season include:

- A Top 5 finish in three events at the 2006 CIS Championships. She was a bronze medallist in the 50m backstroke in a time of 28.77.
- Won five medals at Canada West Championships. She was a gold medalist in the 50m backstroke, had three silver medals and one bronze in a relay team. Earned a Commonwealth Games spot for Canada.
- At the 2006 Commonwealth Games, she swam in her first major international competition as a senior and came away with two personal best times in the 50m and 100m backstroke on a long course. Her best result was finishing sixth in the 50m backstroke final with a time of 29.75. She was the only Canadian to qualify for the final in that event.
- Swim Manitoba Outstanding Female Swimmer of the Year award for 2005.
- Manitoba Sportswriters and Sportsbroadcasters Association finalist for 2005 Manitoba Female Athletes of the Year.
- Won three gold medals (50m, 100m, 200m backstroke) and silver medal (50m butterfly) at 2006 Western Championship.
- Set five new Bison swim records over the season. Three in individual events (50m, 100m and 200m backstroke) and two relays (4x100m freestyle and 4x200m freestyle).
- Named Swim of the Meet Award at the 2005 Prairie Winter Invitational (she had eight first place finishes in backstroke, butterfly and relay events).

KEVIN SAURETTE

Highlights from Saurette's fifth year with the Bisons include:

- Selected as a Canada West Second Team All-Star for the second consecutive season.
 - The Winnipeg native led the team in regular season conference scoring with 36 points (10g, 26a) and was second in conference scoring.
 - His 26 assists topped all players in conference play.
 - In the 2006 Canada West playoffs, the co-captain of the Bisons was tied for the scoring lead with 11 points.
 - He was named as Canadian Interuniversity Sport (CIS) - VIA Rail Male Athlete of the Week and Canada West Male Athlete of the Week for the week ending October 9.
- Co-captain for the first time
- Received the Mike Ridley Award for superior athletic ability, good academic standing and high level of leadership as a full-time student for a second consecutive season.
 - Finished five year career with 206 points (75g, 131a) in 191 overall games and tied for seventh all-time in Bison scoring leaders.
 - Started playing for Los Angeles Kings ECHL's affiliate, the Reading Royals, in April 2006.

GARTH PISCHKE

Some of Pischke's highlights included:

- This Bison head coach led the Bison men's volleyball to their 25th CIS National Championships appearance out of the last 26 years as head coach (only year missed was the 1996-97 season).
- The team won a second consecutive bronze medal at their CIS championship after narrowly missing out of the gold medal game.
- Coached team to a bronze medal at the 2006 Canada West Championship.
- During his Bison career, he has impressively led the team to nine CIS gold medals, nine CIS silver medals and four CIS bronze medals with their lowest finish at fifth.
- He was recognized by the CIS for his accomplishments with a special plaque at the CIS Championships at McMaster for achieving 25 trips to the Nationals.



Kevin Saurette