

WHAT DO WE OWE THEM?

Andrew Peterson of the Rotman Institute of Philosophy explores support for veterans regardless of moral concerns about warfare



STORY // PAGES 6-7

ILLUSTRATION BY SCOTT WOODS

Big Blue's gift to bring order to data

BY PAUL MAYNE

COMPUTER SCIENCE PROFESSOR Mark Daley said with terabytes of research information rolling in on a daily basis, "everyone is drowning in data nowadays." But a \$65-million donation of analytics software from IBM Canada, announced Wednesday, might just be the life preserver data junkies need.

Big Blue's gift-in-kind to Western, which will exponentially enhance the collaborative efforts already underway between the two partners, is part of a recently announced \$210 million research and development innovation network between Western, the University of Toronto, IBM and the governments of Canada and Ontario.

"IBM is a leader in analytics, so this software and hardware will give us the opportunity to have strong analytical tools so we can take this terabyte of data and make some kind of sense of it," said Daley, whose research interest in neuroscience and modeling the brain will benefit greatly from this donation.

"The brain is a good natural computer," he said. "We have large magnets over at Robarts (Research Institute) that generate terabytes of data – images of blood flowing in the brain – and we'd like to turn that into some sort of model of how the brain is working. Ideally, what we want to do is create simplified models. We want to take this huge data and turn it into simple, effective equations, simple rules of nature. Analyzing that by simply looking at it individually it is just not feasible; there is too much."

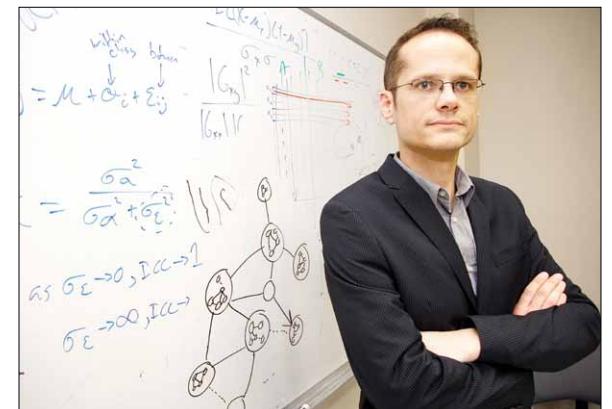
IBM's gift provides Western with the leading-edge research tools to utilize fully and accelerate the processing capabilities. The analytic software will help researchers and scientists extract relevant data and analyze it.

"This remarkable investment will provide Western researchers with the tools to explore the infinite possibilities of agile and cloud computing," Western President Amit Chakma said. "IBM is recognized as a world leader in technological innovation and infusing their intelligence into our systems will no doubt produce exciting results."

The traditional model of science going back centuries is that you work very hard in the lab or field to gather a little bit of data, which you then have a lot of time to go back and analyze. We've now got the exact opposite problem, Daley said.

"The curse of science now is that for years it has been data starved, and all of a sudden we have a delusion of data that we

GIFT // CONTINUED ON PAGE 15



PAUL MAYNE, WESTERN NEWS

Computer Science professor Mark Daley believes the analytics software from IBM Canada will help him wade through the mountains of data he deals with at Western's Brain and Mind Institute at a much quicker pace.

Coming Events

Distinguished Scholars named by Arts & Humanities

19 // THURSDAY

McIntosh Gallery

"Negotiation within the Frame: Textual and pictorial connections in art" presents works of art that combine text and image. Runs until Dec. 14. University College (second floor). Visit mcintoshgallery.ca.

The Museum of Ontario Archaeology

"The Inuit: Their Land, Their Lives, Their Art." Come and explore the Canadian Arctic. Miggs Wynne Morris has spent several years living and working in the Arctic. Includes photographs, wall-hangings and carvings on the Inuit, both past and present. Will run through the end of May. Visit uwo.ca/museum.

Physics & Astronomy Colloquium

John Berlinsky, Perimeter Institute for Theoretical Physics. "Quantum Oscillations in High Temperature Superconductors." PAB Room 22, 1:30 p.m.

Physics & Astronomy Colloquium

John Berlinsky, Perimeter Institute for Theoretical Physics. "Perimeter Scholars International (PSI) Information Session." PAB Room 117, 4 p.m.

20 // FRIDAY

Museum of Ontario Archaeology

Kids Free Day. Free admission, meet author Ferguson Plain, tour the exhibits, create pottery and a medicine wheel. 10 a.m. -4:30 p.m. Visit uwo.ca/museum.

Dr. Maud L. Menten Memorial Lecture Series

Jack Greenblatt, Terrence Donnelly Centre for Cellular & Biomolecular Research, University of Toronto. "Protein interaction networks in bacteria, yeast, and man: implications for membrane biology and transcriptional regulation." MSB 384, 10:30 a.m.

Retired Academics Group

Russell Poole, Department of English. "The Culture of the Vikings." Windermere Manor, 12 p.m. for spring lunch, talk at 1:30 p.m. Cost \$30.



PAUL MAYNE // WESTERN NEWS

Alison Conway, Department of English, and Henrik Lagerlund, Department of Philosophy, were honoured as this year's Graham and Gale Wright Distinguished Scholars by the Faculty of Arts & Humanities. Conway, a previous recipient of the Marilyn Robinson Award for Excellence in Teaching, specializes in restoration and 18th-century literature and culture, feminist theory and the history of the novel. Her most recent publication, *The Protestant Whore: Courtesan Narrative and Religious Controversy in England, 1680-1750*, examines religious controversy and courtesan culture as well as the evolution of prose fiction. Lagerlund, Department of Philosophy chair, and a member of the Rotman Institute of Philosophy, is the editor of the book series *Studies in the History of Philosophy of Mind*, as well as editor-in-chief of the *Encyclopedia of Medieval Philosophy*, considered the most comprehensive reference work in medieval philosophy.

23 // MONDAY

Physics & Astronomy Colloquium

Stanimir Metchev, Department of Physics and Astronomy, Stony Brook University, New York. "Exoplanetary Worlds: Atmospheres, Architectures, and Evolution." PAB, 1:30 p.m.

Department of Physiology and Pharmacology

Igor Stagljar, Biochemistry & Molecular Genetics, University of Toronto. "Protein interaction networks regulating cell signaling in human health and disease." DSB, Room 2016, 4 p.m. Everyone welcome.

25 // WEDNESDAY

Western retirement plan member meeting

All members of Western's retirement plans and their spouses are invited to attend any one of the three annual meetings presented by Western's Joint Pension. Bring your lunch. SEB, Room 2202, 12-1 p.m.

Department of Sociology

Stats and Data Series: "Survey Design: From effective survey questions to layout and design." Iris Gutmanis from Epidemiology and Biostatistics presents helpful info for students, researchers and faculty. 12 p.m. lunch SSC 5230. SSC 5220, 12:30 p.m.

Toastmaster's Campus Communicators

Build your confidence in public speaking. Meets every Wednesday 12-1 p.m. in the UCC. Check the website for specific room. 9119.toastmastersclubs.org/. Contact Donna Moore, dmoore@uwo.ca or 85159.

The Department of Modern Languages and Literatures

"La Tertulia" Spanish Conversation Group. Anyone wishing to speak Spanish and meet people from different Spanish-speaking countries is welcome. Wednesdays at 3:30 p.m. UC.288. Email tertuliala@uwo.ca.

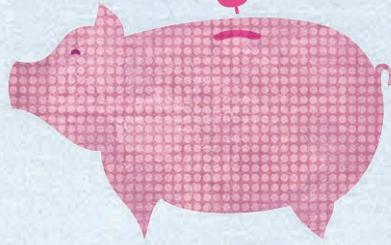
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WESTERN NEWS

The
budget
i\$ue



Budget rollout meets with Senate approval

BY ADELA TALBOT

In the wake of a provincial budget that, among widespread cuts, spared post-secondary education, and a federal budget that promises significant investment in research and development at Canadian universities, Western is modestly moving on to year two of its current four-year budget cycle.

Western can expect future hits to funding and, as a result, hits to the university's operating budget, said Western President Amit Chakma at a university Senate meeting last week. That becomes especially clear with the province extending its current tuition framework for one year only while facing significant debt and anticipating post-secondary cuts in yet-to-be-defined 'policy levers' that will amount to \$40 million in 2013-14 and \$81 million in 2014-15.

Even so, both government budget announcements – the federal,

in particular – signal a "significant victory for the (post-secondary) sector," but the university still has to tread carefully into the next fiscal year, Chakma continued.

Western's total operating revenue for 2012-13 is projected to be \$630.2 million, a 3.6 per cent increase over 2011-12, said Janice Deakin, provost and vice-president (academic), who tabled the budget April 13. Roughly 45 per cent is expected from government grants, with slightly more than 40 per cent coming from tuition and roughly 13 per cent from private funding avenues.

Total expenditures are expected to amount to \$636.4 million, an increase of 6.6 per cent over the past year, Deakin added. This number puts Western in a \$6.2 million deficit, given a \$30 million, one-time investment in one of the budget's top priorities – enhancing the university's research and scholarship profile on the global stage.

In what is, perhaps, a sign of tough economic times, operating revenues at Western have started to stagnate with a projected growth of 3.4 per cent for 2012-13, Deakin said. That number had steadily increased since the early 2000s at a rate of 8 per cent per year.

She explained modest enrollment growth is key to additional revenue; Western plans to expand the number of international undergraduate students as well as its first-year intake by 1,500, composed of roughly half graduate and half undergraduate students.

And while the university is looking to bolster its financial situation by bringing in more students, Western is maintaining student financial aid as one of its top priorities, Deakin continued.

More than \$82 million will account for total administered student financial aid for 2012-13, with all categories increasing. This year, \$6.4 million will go to undergradu-

ate scholarships while tuition set-aside for need-based support is also going up to \$13.1 million. An additional \$3.4 million is going to faculties responsible for graduate student support that will total \$52.7 million.

Western is also reinstating the Doctoral Supervision Grant for the next three years, funding \$2,000 for each new domestic doctoral student.

The university will also invest and focus on enhancing its research and scholarship profiles through initiatives that will work to attract internationally recognized scholars and build on visits, conferences and exchange opportunities. It's here Western needs to park \$30 million as a one-time investment that will be in reserve for seven years and eventually pay off, Deakin explained.

Western's operating reserve is projected to be at \$44.1 million at the end of this year and \$4.6

million at the end of four years, Deakin said, just above the board-mandated minimum of \$2.5 million.

As for the capital budget, allocated funds will be supporting Western's long-term space plans and renovations.

Total spending will amount to \$146 million, with \$93.5 million going to construction projects such as the new undergraduate residence, Richard Ivey School of Business and medical education buildings.

An additional \$18.4 million will go to major renovations on campus, including Talbot College, Thames Hall and the last phase of the Physics and Astronomy building. About \$34.2 million will be allocated for other expenditures such as utilities, maintenance, modernization and infrastructure.

Senate recommended the budget for approval by the Board of Governors. [WUN](#)

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Western News (ISSN0316-8654), a publication of Western University's Department of Communications and Public Affairs, is published every Thursday throughout the school year and operates under a reduced schedule during December, May, June, July and August.

An award-winning weekly newspaper and electronic news service, Western News serves as the university's newspaper of record. The publication traces its roots to The University of Western Ontario Newsletter, a one-page leaflet-style publication which debuted on Sept. 23, 1965. The first issue of the Western News, under founding editor Alan Johnston, was published on Nov. 16, 1972 replacing the UWO Times and Western Times. Today, Western News continues to provide timely news, information and a forum for discussion of postsecondary issues in the campus and broader community.

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ADVERTISING DEADLINE

All ads for the upcoming edition are due by noon the prior Thursday.

EVENTS DEADLINE

All events to be listed in the upcoming edition are due by noon the prior Thursday.

LETTERS TO THE EDITOR

Letters can be submitted via email to newseditor@uwo.ca. Letters should be less than 250 words and are published at the discretion of the editor. Deadline is noon of the Friday prior to desired publication date. Corrections to letters will be made in the letters space the following week and online immediately, however entire letters will not be reproduced in print.

GUEST COLUMN

Members of the university family and its extended community are invited to submit guest columns on any topic. Columns should be 500 words or less and are published at the discretion of the editor. If interested, please contact Jason Winders, editor, at jwinder2@uwo.ca or 519 661-2111 Ext. 85465 to arrange a column.

STORY IDEAS

Know interesting people, events or research connected to Western? Tell us. Contact Jason Winders, editor, at jwinder2@uwo.ca or 519 661-2111 Ext. 85465.

POSTAL RECOVERY

\$50 Canada, \$65 United States, \$85 Other

POST OFFICE

Please do not forward. Return to Western News, Western University, London, Ontario N6A 3K7 with new address when possible.

"Our objective is to report events as objectively as possible, without bias or editorial comment. We hope you will read it and contribute to it."

— L.T. Moore,
University Relations
and Information director,
Nov. 16, 1972

Letters to the Editor

// Don't blame Boomers, blame others

(Western News Editor) Jason (Winders), you're exactly correct about Generation Why's apathy/lack of energy ("Generation Why? Federal budget backs Boomers," April 5). They must be tired out from all the partying and rioting they do; ever try to get into a bar or restaurant on a weekend in London?

About the Boomers, you're not so sanguine.

Debt-free educations? Well, you seem to ignore we were making \$1.75 an hour in our summer jobs back in the day, and we didn't spend all our money on electronics, phones, alcohol, trips to the tropics, restaurants, cars, fashion, etc.

Full employment? I graduated as a teacher in 1976, wrote every single public school board in Ontario for a job, got one interview in Manitowadge (look it up) and, after taking every supply teaching job I was offered anywhere around the GTA, finally landed a job in a small Ontario rural town only because of a personal connection where I had practice taught the year before. I could go on correcting your other assertions, but I won't.

You weren't there, so you wouldn't know about what the Boomers went through.

The current young folks here in Ontario, as a whole, are probably the most pampered and prosperous in human history, and yet too many of them still whine and complain about how tough life is. Maybe they should do what their successful peers do, i.e. check out what type of education will bear fruit in

the current economy, go get it, then go wherever the work is.

I know of many young ones in their 20s who are making very good money in interesting careers. With the help they got, they're laughing, including at many of their peers who seem to be more interested in partying and/or staring at glowing screens and messaging each other.

Stop with the generational war, that's facile.

Every generation, every nationality or race, every gender, has its 'go-getters' and its slackers. The route to success has always been hard work; that'll never change, and there's a pretty big world out there if you're ready to strike out and leave the hearth.

ALEX LUTZ

BA'76, B.ED'77 (WESTERN),
B.COMMERCE'81 (WINDSOR)

// Guns and gals an interesting sight

I couldn't believe my eyes, yesterday, when I was on campus in the Spoke Cafe – across the room from me was an arcade 'game' entitled *Big Buck Hunter, Open Season*. The object is to hunt bison or pretty much any animal. Fringe benefits: Half-naked girls with guns advertising how much fun it would be to play. Props: Hand-held rifles for the players.

DIANE L. MORROW
WESTERN ALUMNUS, '97

Making Headlines

"The hospitality and the interest in the community were incredible. This is as close to a rock-star experience as any med student would ever have. I feel so prepared that when looking at the task of completing my residency, I say, 'Just Bring It.'"

Windsor's own Craig Campagna, 25, one of the first 24 grads from the Schulich School of Medicine & Dentistry's Windsor Program.

The Windsor Star, April 14

"Right after the battle, and subsequently, the argument was always made that this is a perfect example of what Canada can do when all the parts come together in a common cause. It's a demonstration of how great the country can be when (it pulls) together."

History professor Jonathan Vance on the Battle of Vimy Ridge, fought 95 years ago this week.

The Kingston Whig Standard, April 12

"Chittagong is not really an easy place. She persuaded me that she is very much aware of the challenges and she understands the realities on the ground. She is prepared to deal with them with great enthusiasm."

Western President Amit Chakma, on his search committee naming Fahima Aziz, a Hamline University (St. Paul, Minn.) professor as vice chancellor of the Asian University for Women, in Bangladesh's chaotic port city of Chittagong.

The Chronicle of Higher Education, April 15

The Way We Were: 1991

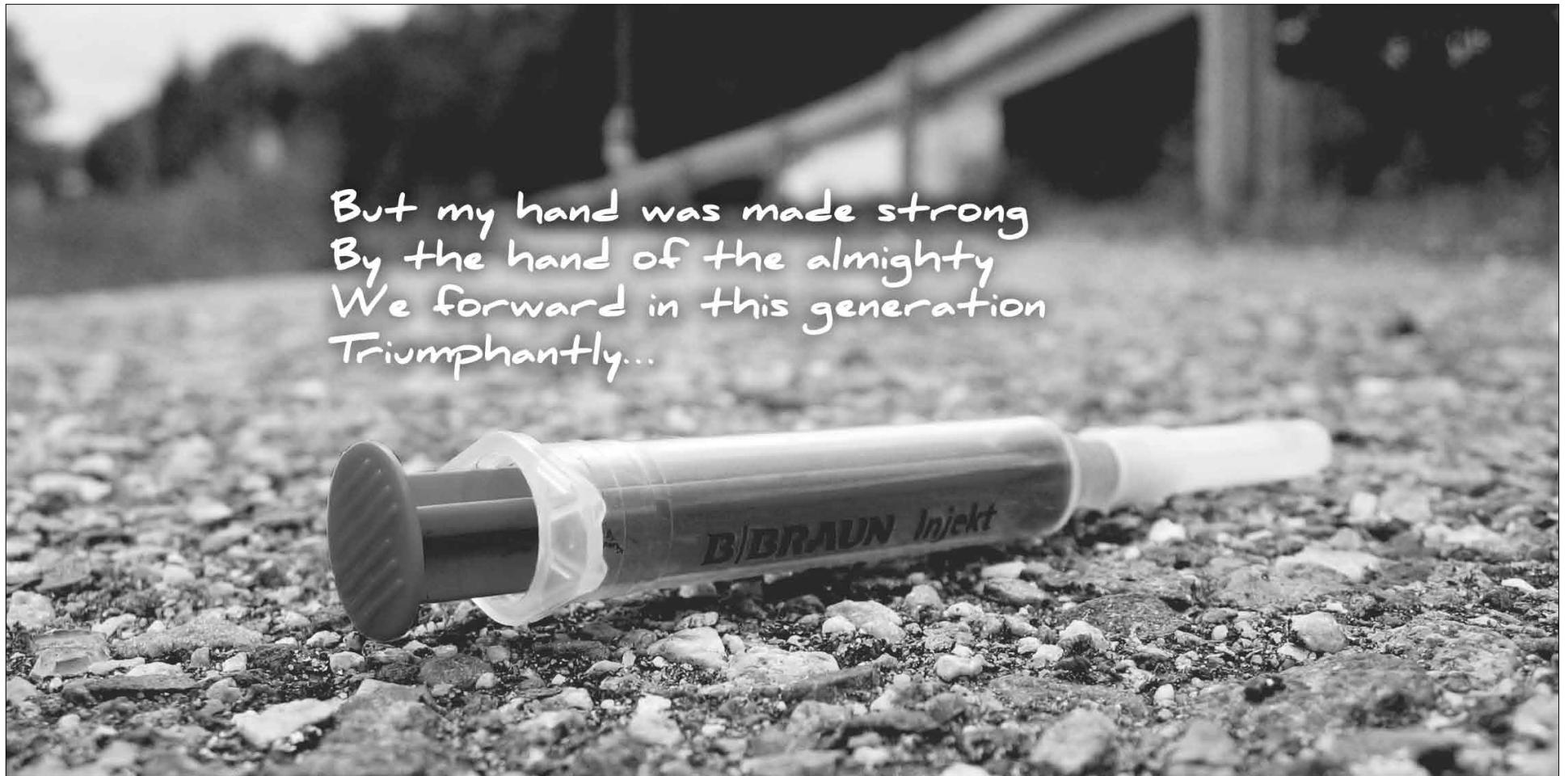


Contributed by Alan Noon
(a noon@uwo.ca)

ALAN NOON WESTERN NEWS ARCHIVES // WESTERN ARCHIVES

A new Western police patrol made up of 10 volunteers was off and pedaling in June 1991. The bikes increased the patrol range of officers, allowing them to check areas not accessible by car or too remote for foot patrol. This increased security measure was made possible, in part, by the generous donation of two 21-speed Cycletech Canada mountain bikes by Cycletech through Rainbow Cycle of London. Constables Randy Hewitt and Steve Dykeman demonstrate the new machines.

Commentary



Ignoring research puts lives on line



ADELA TALBOT

Western News Reporter

I WON'T FORGET SEAN.

I met him years ago, during my undergrad, while volunteering with a local not-for-profit organization helping homeless and at-risk youth in London's core.

I spent two evenings a week preparing and serving food, handing out clothes and other necessities to young men and women who, for various reasons, had found themselves in unfortunate circumstances. Most of the time, I just sat and talked to them. I'm happy to say I knew Sean – his kindness, his smile and the sound of his guitar – very well.

When I met him, my first evening out, Sean was 25. Unlike most young men I had met on the streets, he wasn't outwardly hardened by the difficult life fate had dealt him. He'd thank everyone sincerely, with a big smile, for every sandwich, every conversation, every small gesture of humanity. He was intelligent, thoughtful and a pleasure to talk to. He'd ask about your day and share your sorrows and joy, regardless of how he felt. In everything he did, Sean genuinely cared for others.

On Dec. 11, 2007, Sean came to a holiday celebration organized by staff and volunteers. By all accounts, it was a wonderful evening, filled with good company, good food, song and celebration. Sean had a great time and even won a Christmas carol trivia contest. At the end of the night, he came up with a smile, hugged me, the other staff and volunteers and said, "Thanks, I really needed this tonight."

The next morning, he was found, locked in the bathroom of a local shelter, at 28, dead from an overdose.

Last year, when the Supreme Court of Canada

denied the Attorney General's appeal to shut down InSite – a Vancouver supervised injection facility, the first and only of its kind in North America – I thought of Sean.

Last week, I thought of him again when officials in Ottawa and Toronto declined opening similar facilities in their communities, after a team of researchers recommended their implementation in the two cities as a way to improve health and reduce harm among injection drug users.

Whether Sean's death was intentional or accidental – I'll never know. But I have no doubt in my mind that a supervised injection site would have helped, not just my friend on the streets, but many others like him.

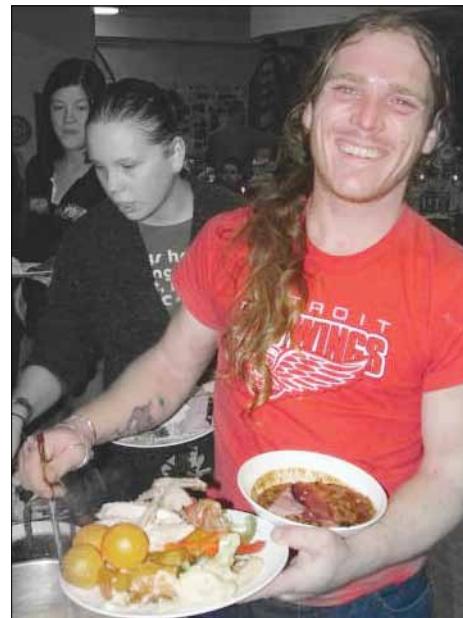
Contrary to what some may think, supervised injection sites do NOT provide users with illicit drugs; they provide a safe space, clean supplies and the company of a nurse and other health care staff. In the case of an overdose, staff is able to intervene immediately.

It's simple. By providing clean equipment and disposing of it properly, supervised injection sites reduce the spread of infectious disease. By offering a safe space, they keep users from 'shooting up' in public places. By offering supervision, they save lives. And by opening their doors, they open opportunities for users to seek and get help for their addiction.

But that's not all.

For injection drug users, individuals often not connected to health-care services, facilities like this are essential. Nurses there administer medication, immunizations and attend to medical needs not associated with drug abuse. These facilities are designed to work as one part of a large-scale approach to care for people dealing with addiction, mental health issues and communicable diseases.

And it's not like they are likely to exist in suburbia, close to schools or other such locations where the public would have a legitimate concern for safety. Out of necessity, these facilities would be where the users already are. The issue isn't exactly a not-in-my-back-yard kind of thing. Those who may object and say, 'If you support



Whether Sean's death was intentional or accidental – I'll never know. But I have no doubt in my mind that a supervised injection site would have helped, not just my friend on the streets, but many others like him.

this kind of place, we should open one next to your house,' I think, don't fully grasp the concept. You don't have to take my word for it.

Numerous studies have been done and the Canadian Medical Association has said "evidence shows that supervised injection reduces

the spread of infectious diseases and the incidence of overdose and death."

The Canadian Public Health Association has echoed this sentiment, stating "more than 50 peer-reviewed scientific articles provide irrefutable evidence that (InSite) has a positive impact on the health of the people who use its services and a positive impact on the surrounding community."

Even the Supreme Court of Canada has shown its support of InSite, saying, "Its benefits have been proven. There has been no discernible negative impact on the public safety and health objectives of Canada."

Meanwhile, we have city officials and politicians – among them, Ontario's health minister – rejecting recommendations from researchers to open a handful of supervised injection sites in the province's largest cities. Apparently, there's insufficient evidence for their benefit, even after a new comprehensive study and report from the Toronto and Ottawa Supervised Consumption Assessment (TOSCA) prompted the suggestion, citing that Ottawa has the highest rate of new HIV infections among drug users in the province. Of the drug users in our nation's capital, 60 per cent have hepatitis C and 52 per cent of users in Toronto are living with the disease.

I'm saddened that TOSCA's recommendations haven't been heeded by the very people whose job it is to advocate for the health and well-being of each and every person in the community, regardless of their luck, social status or substance preferences.

I've thought of Sean many times over the last four years, not just when something related to his death came up. Whenever I hear Bob Marley's *Redemption Song* – Sean's favourite – I remember him.

*But my hand was made strong
By the hand of the almighty
We forward in this generation
Triumphantly...*

Those lyrics are still difficult to hear.



Commentary

WHAT DO WE OWE MILITARY VETERANS?



ANDREW PETERSON

Andrew Peterson of the Rotman Institute of Philosophy explores support for veterans regardless of moral concerns about warfare.

Can we support veterans while simultaneously holding moral reservations about war? This question is often answered in the negative. As the argument might go, any support for veterans is tantamount to moral assent for military action.

Given public concern about the ongoing conflicts in Iraq and Afghanistan, those sympathetic to this argument may refrain from supporting young veterans in an effort to maintain the moral high ground. But I think this is a mistake.

In fact, we can support veterans in a variety of ways regardless of moral concerns about warfare. The key to this position is making the acute conceptual distinction between our moral evaluation of wars waged by federal institutions and the citizens chosen to fight them.

Certainly, we will all share the moral reservation of whether war is ever justifiable. But given careful thought, this moral concern is not in logical conflict with an altruistic duty to support those who, without regard to self, have chosen to devote their lives in service of their country.

With the latest reduction of military personnel in both Afghanistan and Iraq, there is a growing urgency for meaningful discussion of how we, the civilian community, will respond to young service men and women as they return from deployment. Of particular importance is developing a

robust understanding of the great psychiatric toll that both Canadian and U.S. military personnel have shouldered for the past 10 years.

A 2011 congressional report indicates nearly 27 per cent of U.S. Forces registered with Veterans Affairs have been diagnosed with Combat Operational Stress between 2002 and 2010. Likewise, recent Canadian parliamentary reports estimate roughly 22 per cent of Canadian Forces will suffer from psychiatric injury at the close of military operations in Afghanistan.

When these young soldiers return home, the war is not over for them. Instead, a deep moral and psychological struggle begins as they strive to make sense of what they witnessed, what they did and what their country has asked of them. For the majority, this process is difficult, yet not insurmountable.

For others, however, a failure to reconcile the experience of war can lead to substance abuse, emotional turmoil, and even suicide. At this juncture, Canadian and U.S. citizens have an extraordinary opportunity to reciprocate for these psychological sacrifices of military service. We may believe current foreign policy is a mistake, but this should in no way overshadow our obligations to veterans for bearing the psychological burden of war on our behalf.

So how can the civilian community provide concrete solutions to veteran reintegration challenges?

There are, of course, a variety of answers to this question. However, I believe at least three principal components are necessary for a broad based strategy, which Canadian and U.S. citizens can directly contribute to.

First, psychiatric injury caused by combat experience requires careful investigation by the neuropsychiatric community. With improved diagnostic technologies like advanced neuroimaging and genetic testing, the neuropsychiatric sciences will likely develop a greater understanding of these neurophysiological changes in the coming decade. This, in turn, will result in improved cognitive therapies uniquely tailored

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Research of this sort is already well underway in areas such as San Francisco's Veterans Health Research Institute, University of British Columbia's Veterans Transition Program, and Western's own Post-Traumatic Stress Disorder Research Unit. Recent studies have effectively revealed the extent and severity of psychiatric injuries once invisible and poorly understood.

Showing these war wounds are nothing more than natural, neurophysiological responses to stressful environments can change the way young veterans understand the emotional complex that accompanies combat exposure. More importantly, this research has the great potential to alleviate the moral burden many young veterans carry – much of which is grief and shame for not being as psychologically tough as they thought they should be.

A second component, though no less important than the first, is developing a social infrastructure easily accessible and supportive to veterans after discharge. This includes, but is not limited to, educational opportunities, employment opportunities and access to health benefits specified for combat injury.

One pronounced clinical marker of several psychiatric conditions resulting from combat exposure is the feeling of a foreshortened future. Overwhelming negative feelings from wartime memories may overshadow a positive outlook on life and can severely inhibit a young veteran's initial psychological transition from battlefield to hometown.

Guaranteeing veterans a job, university education and excellent health benefits is a simple yet highly effective way to instill confidence and paint a future that is bright. In partnership with California's CSU and UC university systems, innovative programs like Troops to College have been instrumental in facilitating these opportunities. Not only have they developed financial solutions for veteran education in California, they have also worked to identify and standardize a procedure that translates military experience into an accelerated university degree.

Innovative veterans transition programs in Canada are equally supportive in this effort. Veterans Affairs Canada has developed a robust career transition program that includes career counseling and employment search services. Programs like these facilitate the simple, yet critical skills of résumé construction and job interview conduct essential for procuring employment and paving a future of financial success.

A final component, and perhaps the most important of the three I have discussed thus far, is the cultivation of social awareness for the psychological challenges veterans face on a daily basis.

Whether U.S. or Canadian, military culture is a proud and stoic one, and it is by no means expected by veterans that civilians have an overly developed sensitivity to the reintegration obstacles they may deal with. However, given many young veterans of the Iraq and Afghanistan conflicts have suffered a great psychiatric toll for their country, it is only reasonable Canadian and U.S. citizens gain some modest sense of this sacrifice in recognition of their service and commitment. Too often are veterans expected to change themselves socially and psychologically during reintegration without a simultaneous alteration

in civilian social awareness.

This obligation should instead rest on the shoulders of the civilian community, rather than burdening young veterans who may already carry a heavy psychological load. Working toward the first two goals outlined above is a significant step in this direction. But cultivating awareness of veteran reintegration challenges need not be this complicated. All that is required is a sincere recognition of the armed forces' service to country and the patience to listen to a veteran's story if there is a willingness to share it.

The psychological stress of war is certainly ubiquitous throughout history and particular demographic factors of military personnel will never change.

When these young soldiers return home, the war is not over for them. Instead, a deep moral and psychological struggle begins as they strive to make sense of what they witnessed, what they did and what their country has asked of them.

The majority of those on the frontline, as in previous wars, are young – perhaps no older than the average Western student. Their reasons for enlisting are varied – sometimes out of patriotic duty, but often to seek educational and economic opportunity unavailable to them. For these reasons, in addition to the fact those who fight the wars are never the principal arbiters of foreign policy, our obligations to young veterans should not be overlooked. There will always be unjust wars, foreign policy decisions that skirt the boundaries of moral legitimacy, and actions of individual soldiers unbecoming of their responsibilities as military personnel. But remaining through these indiscriminate moral circumstances will always be the young men and women who simply desire to fulfill a sense of duty by serving their country as well as they can.

How can we fault them for this?

At their core, they are our fellow citizens – our friends from high school, our neighbors we see daily and our professional colleagues. They are familiar to us in ordinary ways, and yet reveal their character in extraordinary circumstances.

Our moral concern for war should not confuse us into thinking we have no obligations to them. For them, without regard to self, bear the unique psychological burden of war on our behalf.

Andrew Peterson is a member of the Rotman Institute of Philosophy and Western's PTSD Research Unit. His research covers the areas of neuropsychiatry, philosophy of science, and bioethics; with special interest in the reintegration challenges faced by military veterans.



ILLUSTRATION BY SCOTT WOODS

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Student Life



PAUL MAYNE // WESTERN NEWS

Western Engineering Formula Racing Team members Jordan Dil, managing director, and Tyler Ouellet, technical director, check out the ongoing work of the team's formula-style racecar. The first competition is May 9 in Michigan.

Getting the fastest education on four wheels

BY PAUL MAYNE

TYLER OUELLET AND Jordan Dil have put hundreds of hours into one particular extracurricular activity on campus this past year. There's no pay, they get greasy and, at times, don't get home until after midnight.

And they wouldn't change a thing.

The fourth-year Engineering students are part of what has now become a 25-year tradition in the building of the Western Engineering Formula Racing Team. With more than 30 volunteers, primarily from Engineering, the students volunteer their time and talents to conceive, design and build a formula-style racecar.

"We just love doing it, and the experience you gain here is something employers really look for. It is so valuable to us," said Ouellet, technical director on this year's team. "You really appreciate how reliable cars are once you built your own from scratch. It's like a drug almost. It's very addictive."

Each year, the students make significant design changes to the car in hopes of improving speed and overall performance. For example, changes to the chassis can be endless, Ouellet said.

"We set goals and specifications and worked toward that," said Ouellet, who has been a team member his entire four years at Western. "First off, we want to win the competitions. We build the car to specifications, how light, what sort of engine. It's a constant need to want to make it better. There's always an infinite amount of fine tuning."

So how do you know when you're done?

"That's the toughest thing to do," added Ouellet, who drives the car in competition. "As engineers, we're always challenging ourselves to create the best things, but at some point you need to move on to the next project. In the past, our team has finished the car days before the competition and half the battle is being able to test and tune the car."

Currently, the car is in test mode as the team prepares for a pair of competitions next month. They'll be heading to the Michigan International Speedway in Brooklyn, Mich., on May 9, followed by the Barrie Molson Centre in Barrie on May 25. The Western team will go head-to-head with more than 125 teams from around the world.

It is there, where the team's hard work, skills and talents find themselves under the judges' spotlight. Do they have enough horsepower to

propel a vehicle weighing close to 450 pounds? Will the driver be able to accelerate from 0 to 100 km/h in around 3.5 seconds? What sort of gravitational force acceleration will the driver experience while cornering?

"The feedback is great," said Ouellet, noting the judges have worked the Formula One circuit and developed for companies such as Nissan, Ford and GM. "We're doing our best and of course will make mistakes, but they can look at your car and know what's right and wrong. Plus, afterwards, you have access to all the judges."

For Dil, this year's managing director, the experience of working with classmates – pretty much around the clock – on a project everyone is committed to makes for "an awesome experience."

"You're working as if you are part of a real business team making a real product," Dil said. "You have to design the product to work, budget the project to make it cost as little as possible and manage a large group of people, who are all volunteers. You have to realize they are students and have schoolwork as well. It's a challenge of getting it done on time and getting it done right."

While the university provides some assistance,

DRIVE ON

Check out more on the Western Engineering Formula Racing Team at uwoforumracing.com.

the students depend on the generosity of corporate sponsors and members of the community for the majority of the project's \$50,000 funding.

With Western's highest finish in competition being fifth place (2010), Ouellet says this year's goal is to finish in the Top 10.

"You're always working for that fast car, but a lot of the fun is that you built this car as a team," said Ouellet, who'll spend these next few weeks with the team fine-tuning the car. "And, when you get to drive it for the first time, that is one of the greatest feelings to experience. It's something you all did together." 

Up on the Wall of Champions



PAUL MAYNE // WESTERN NEWS

It has been 65 years since all-star quarterback Herb Ballantyne ('47) hit the gridiron at Western, but that didn't stop him from running a few plays with fellow all-star wide receiver Andy Fantuz ('06). Last week, the 87-year-old Ballantyne, who led the Mustangs to a Yates Cup victory in 1946, and Fantuz, the all-time CIS receiving leader, were inducted into the Mustangs Football Wall of Champions along with photographer Art Martin, defensive lineman Roger Dunbrack ('98), all-star running back Ralph Simmons ('56) and the 1976 Vanier Cup champion team.

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Research

Solar innovations see the light thanks to NSERC grant

BY MITCH ZIMMER

WE COULD POWER the planet for a year if we managed to collect all of the solar power from one hour of sunshine on Earth.

Admittedly, Chemistry professor Zhifeng Ding isn't quite there yet. But thanks to a NSERC Strategic Project Grant of more than \$500,000 over three years from Natural Sciences and Engineering Research Council of Canada (NSERC), his work to develop more practical solar cells got a major boost.

Just two years ago, it was common to purchase solar cells with only 0.01 per cent efficiency. Today, the conversion rate of popular silicon cells hovers around 6 per cent.

However, Ding has developed a process where he is able to electrochemically deposit six thin film layers to produce solar cells running at a conversion rate of 10 per cent.

His current successes started a few years ago when a Western alumnus donated \$70,000 for the research. That seed money was the basis for Ding to apply for funding from the Ontario Centre of Excellence and NSERC to match the existing funds by five times to \$350,000.

That funding was enough to dem-

onstrate thin film deposition was a workable concept.

His team applied for a U.S. patent which was approved in 2011.

"The good thing is that in China, now my previous collaborator, Professor Leo Lau, he's leading the recent green energy standard," Ding said. "He would like to collaborate with us further by licensing this patent in China."

In February, the facilities in China were able to produce panels running at 10 per cent photo conversion. "This is the criterion for a production line and commercialization" Ding added. "I think we will do a great job with this commercialization of our intellectual property and then get further."

In 2009, Ding also received NSERC support through the Idea to Innovation program to develop a flexible solar cell. Flexible solar cells have the advantage of being less likely to break during installation and withstand daily wear and tear.

Even with these advances, Ding's group continue the search for further refinements.

The current six-layered cell uses some rare earth elements to boost the efficiency, but Ding said "gallium, indium and selenium are disappearing and are kind of expensive."

The current strategy is to further reduce the cost, so now Ding is using four inexpensive and plentiful elements – copper, zinc, tin and sulphur, which his team has branded CZTS.

Although there are labs that can produce a solar cell that can run at 20 per cent efficiency, the cost of production for these cells are well above the current market price. Still, the competition is stiff to produce the next generation of cells with research labs in the United States, Japan and Germany doing significant work with access to broader resources than in Canada.

The key is finding cheaper ways of producing solar cells.

"In this way, we can enrich the free energy sources but at very low cost and get the conversion at 10 per cent," Ding said. "We can do more engineering with the Strategic Grant. In the future, we possibly can reach 15 per cent with CZTS and it will do a good job."

PHOTO BY MITCH ZIMMER
Chemist Zhifeng Ding's continuous refinements in producing thin films to optimize photovoltaic solar cells has netted him an NSERC Strategic Project



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Academics



ADELA TALBOT // WESTERN NEWS

On her way to Yale University this fall to pursue a PhD in philosophy, Emily Kress is one of two Scholar's Electives students graduating this year and going straight into a PhD program at an Ivy League school of choice. Joining her at Yale is Matt Leisinger who will also be studying philosophy.

Head start, hard work pay off in Ivy League bid

BY ADELA TALBOT

IMAGINE BEING ABLE to write your own academic ticket to an Ivy League school of your choice.

That's just what Emily Kress was able to do. Thanks to Western's Initiative for Scholarly Excellence, the 21-year-old got a head start to her post-secondary studies, taking a first-year philosophy class here while still enrolled in a London area high school. Four short years later, Kress has bypassed an MA program and, having the option to go to more than a handful of Ivy League schools, is on her way to Yale University this fall to pursue a PhD in philosophy.

Though she's modestly hesitant to talk about it, Kress' scholastic skill early on, paired with her desire for a challenge, laid the groundwork for a successful academic career.

"In high school, I took philosophy (at Western) thinking 'Oh, this sounds really hard. I had better get it out of the way before university.' It sounded really interesting and if I failed, it wouldn't be part of my degree," she said of her initial motivation to take the *Introduction to Philosophy* class.

"But I didn't fail it. I did really well and I loved it," Kress added, noting the experience opened

Kress has bypassed an MA program and, having the option to go to more than a handful of Ivy League schools, is on her way to Yale University this fall to pursue a PhD in philosophy.

doors by giving her the opportunity to learn new perspectives and ways of approaching questions.

The course is also partly why, upon graduating high school, Kress chose Western for her post-secondary studies.

"I was exposed to a lot of different things at Western. We have some great academic programs and I'd probably go so far as to say that

we have the best undergraduate philosophy program in the country. I had no idea about that at the time (of high school)," she said. "It's also a very warm and friendly and welcoming university. So, we've got both sides of it. I felt like I would fit in here and be happy."

In fall 2008, Kress started her full-time studies at Western as a Scholar's Electives student, working with a faculty mentor and pursuing a research project of her choice each year, on top of a regular academic workload.

She credits the Scholar's Electives program for building her confidence and helping her succeed.

"The biggest benefits in Scholar's come in the first two years. In your first year, you'd never get that one-on-one time with a professor. I was very shy and I think it built my confidence, talking to professors in that office hour environment I might not have sought out otherwise. I gained a lot of skills that became useful in my other first-year courses," Kress explained.

"And I just learned so much from talking with (my faculty mentor). I would read a book or an article and go in and he would ask me what I thought about it. I would have to make arguments and defend myself. That opportunity to engage with texts on a higher level one-on-one

is one I don't think you'd get in other first-year programs."

But it's not just her experience with Scholar's Electives that's left her well prepared for studies at Yale, she added.

"We have an awesome Philosophy department here and we've had so much mentorship and professors who were extremely dedicated," Kress said, adding both the department, and its faculty – particularly in the history of philosophy – could use more credit.

"The Philosophy department here is getting so much press these days for the Philosophy of Science and The Rotman Institute. I think our History of Philosophy program is incredible and our professors – many of them are young – are producing incredible work and doing well in the classroom," she explained.

And that's just what Kress wants to do when she's done at Yale.

"I want to get a tenure track position and write about Aristotle," she said.

Kress is one of two Scholar's Electives students graduating this year and going straight into a PhD program at an Ivy League school of choice. Joining her at Yale is Matt Leisinger who will also be studying philosophy. [WNI](#)

Research

Professor unearths innovation shift to developing world

BY PAUL MAYNE

WHILE HOME-BASED dialysis treatments are on the rise across the globe, developed countries seem to be opting for more hospital visits, which could place the developing world at the centre of research innovations surrounding kidney disease treatment. Or so believes Western professor Arsh Jain, Department of Medicine, Department of Epidemiology and Biostatistics.

"There's a billion people in China; there's a billion people in India," said Jain, noting the developing world numbers are rising in both home-based and clinical-based treatment from the increase in diagnosis. "So those people will be a large market at some point and will probably drive a lot of what happens in terms of research innovations."

Dialysis treatments for kidney failure come in two forms: peritoneal dialysis, usually done at home, and hemodialysis, predominantly clinic-based.

With peritoneal dialysis, fluids are pumped into and removed from the stomach each night (while sleeping, for example) to collect waste from the blood. During hemodialysis, the more well-known treatment done in hospital, blood is removed and purified by a machine before being returned to the body.

The majority of people with kidney disease find themselves on a waiting list, Jain said, with approximately 2 million patients in the world receiving some sort of dialysis treatment.

In a recently released study, Jain explored peritoneal dialysis use, comparing developed countries with developing countries. What he discovered is informing his belief in a shift in innovation.

In comparing the use of peritoneal dialysis to hemodialysis, Jain analyzed records from 1997-2008 in 130 countries and unearthed some interesting numbers.

In 2008, there were approximately 196,000 peritoneal dialysis patients

worldwide, representing 11 per cent of the dialysis population. In total, 59 per cent of those patients were treated in developing countries and 41 per cent in developed countries.

Over the 12 years of the study, the number of peritoneal dialysis patients increased by 24.9 patients per million population in developing countries and only 21.8 per million in developed.

The proportion of all dialysis patients treated with peritoneal dialysis did not change in developing countries, but significantly declined in developed countries by 5.3 per cent.

"The vast majority of patients in both hemodialysis and peritoneal are in the developed world. But the developing world represents a much larger proportion of the world, and is growing at exponential rates as compared to the developed world," said Jain, whose study appeared in a recent issue of the *Journal of the American Society Nephrology*. "The growth rate in the developing world is growing faster (2.5 times) than it is in the developed world. For countries like Canada, where the home-based therapy is cheaper, you would think we'd be having more of a push to get these people home."

Peritoneal dialysis is also half the cost of the clinic-based procedure, Jain said, plus it takes less of a physical toll on the body. But over the last decade, its use in Canada is waning,

with patients flocking to dialysis units in hospitals, despite the fact studies have shown peritoneal dialysis is associated with a better quality of life.

"I hope in Canada that we do have a stronger push to get people home for peritoneal and some home-based hemodialysis," Jain said. "Quality of life is better; it just makes sense. It can be up to half as expensive to treat at home. We are also able to provide support home care people to assist patients."

As far as future research is concerned, while optimistic, Jain said there needs to be assurances as to the ability to transfer the findings into patient care back home.

"From living in Canada, we would want to make sure the developments that happen in the field would be good for our delivery in Canada," Jain said. "It's great that these other countries will be driving (research) and more people utilizing these things and there will be more research done. As a company, you need to market to the biggest consumer, so you're not going to market to Canada, you're going to market to China and India and places like that."

While it will take another decade for new statistics to populate, Jain plans to follow up on his latest study and is hopeful for an increase in the use registries of kidney patients in other countries, to allow for better tracking of patients. **WNI**



PAUL MAYNE // WESTERN NEWS

With developing countries opting for home-based dialysis treatments more than the developed world, Western professor Arsh Jain believes the developing world may drive future medical innovations.

Western Finance - Year End Deadlines

The University's year-end is **Monday, April 30, 2012**. All transactions occurring before year-end must be dated **April 30, 2012** or earlier and be included in the 2011/2012 budget year. **It is the responsibility of each department to submit its accounting records before the deadlines listed below.** The transactions received before these deadlines will be included in the 2011/2012 budget year.

CASH RECEIPTS

All cheques and cash must be deposited by the central cashier on or before **Monday April 30, 2012** in order to be processed with an April date. All deposits made after April 30 will be May dated. In order to accommodate year end processing, **the cashier hours will be extended as follows: April 26, 27 & 30 9:00 – 12:00 and 12:30 – 3:30**

PETTY CASH

Expenses incurred prior to **April 30, 2012** must be submitted through the central cashier no later than **Wednesday May 2, 2012** to be processed with an April date. It is strongly encouraged that petty cash claims be submitted prior to April 30 where possible to ensure your claim will be processed in the 2011/2012 budget year. **The cashier will be accepting petty cash reimbursements up to and including May 2, 2012.**

ACCOUNTS RECEIVABLE INVOICES

All April dated invoices for external customers must be finalized and printed **by 3:00 pm on April 30, 2012.**

INVENTORIES

The last day for submission of physical inventory sheets is **Friday, May 4, 2012.**

INTERDEPARTMENTAL CHARGES

Interdepartmental charges for goods received or services rendered before **April 30, 2012** must be dated **April 30, 2012** or prior and journaled no later than **Thursday, May 3, 2012.** Ensure the Accounting Date on the Journal Entry Header Panel is changed to April 30, 2012.

TRAVEL EXPENSES/TRAVEL ADVANCES

Travel costs for non-Western employees incurred prior to **April 30, 2012** must be submitted no later than **Friday, April 27, 2012.** Employees must use the on-line travel expense system. On-line expense reports must be approved by the final approver by **April 30, 2012** to be included in the 2011/2012 budget year. All outstanding travel advances should be cleared by that date. Hard copies of on-line expense reports with original receipts attached must be forwarded to the Travel Desk, SSB 6100 by Monday, May 7, 2012.

PAYROLL INSTRUCTIONS

Regular and vacation pay for part-time employees and any overtime owed to employees should be paid in April. Financial Services will accrue amounts earned in April and paid in May.

PURCHASING INSTRUCTIONS

All goods and services received in the 2011/2012 budget year and invoiced before **May 1, 2012** must be received by Procurement Services prior to April 30, 2012. Purchase orders for goods and services shipped, received and invoiced after **May 1, 2012** will be committed against the 2012/2013 budget year.

Suppliers' original invoices must be in Accounts Payable, SSB 6100, no later than **May 2, 2012.** Invoices received after this date will be processed in the 2012/2013 budget year.

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Western

Staff Profile

Leesa Couper walks on the wild side

BY LESLIE KOSTAL

IT WAS A chance meeting that led Leesa Couper, an office manager in the Children's Dental Clinic at the Schulich School of Medicine & Dentistry, to meet Brian Salt of Salthaven, a wildlife rehabilitation and education centre in Mount Brydges.

"Brian actually came up here one day to the dental school because there was a hawk sitting on the ledge of the roof," Couper said. Apparently it hadn't moved for most of a day.

Fascinated watching the bird's capture, she later connected with Salt to inquire about its release back to campus. "I've been volunteering since then," Couper said with a grin. "This will be my fourth season."

Couper is completely stuck on seeing wildlife up-close and delights in assisting with their recoveries hopefully to release them when they're well. Among her favourites are the owls. "They are the most beautiful creatures ever," she said. "They're just gorgeous."

Salthaven volunteers understand wildlife aren't pets. Cages are covered and enhanced with materials to simulate their natural environment. "In our squirrel pen we put in branches and hang leaves from the ceiling," she said. "You don't handle things if you don't have to."

Smiling, Couper continued. "We've had some hummingbirds come in. To be able to see those little things up close and take care of them ... and then when it finally comes to the point where we get to release them, you feel really good about what you've done."

Spring is the busiest time, usually March and April. New volunteers are selected around Easter followed by an orientation. During the summer months, there are four-hour shifts, three shifts a day, seven days a week.

"Most of our intakes are babies," Couper said. Although she has held birds for Salt as he wraps a wing, or simply needs an extra set of hands, it takes specialized training to feed, say, bunnies every two to three hours.

"They have to be tube fed," Couper said. "So you feed this little rubber tube all the way down their throat into their stomachs. It's very tricky."

Salt usually takes on two senior volunteers aiming for veterinary school, teaching them to do some of the emergency work. "But if there's anything major or serious," Couper said, "Brian looks after that himself. We get the opportunity to assist him which is awesome."

"You have good news stories and then you have ones that don't turn out so well. But that's just part of the way it works."

Couper recalled a fawn that had to be euthanized as well as a great blue heron that had been hit by a car. Because of the lack of manpower, almost all injured animals must be brought to the facility.

"We've had people drive animals down from north of Toronto," Couper said. "I'm amazed at what people will do."

For those creatures who attach themselves to Salthaven, some return freely the next year. "This past summer we had a mallard duck come back with her babies," Couper said. "She came in the year before as a duckling. It was so cool."

In the future, Salthaven will be moving from its present rented location to land donated just north of London. Fundraising is always an issue, especially now, as they're hoping to build an improved clinic on their new property.

Some years ago, Couper had thought about veterinary technical college, but it was too difficult to get into. This is a nice way, she says, to channel that type of an interest.

"I think as volunteers we get as much, if not more, out of it than we're putting in."

Leslie Kostal, web administrative assistant, Department of Economics, writes periodic pieces profiling Western staff members. If you, or someone you know, has an interesting story to tell, please e-mail her at Leslie.Kostal@uwo.ca.



PAUL MAYNE // WESTERN NEWS

Children's Dental Clinic office manager (Schulich School of Medicine & Dentistry) Leesa Couper uses a syringe to feed a three-week-old raccoon at the Salthaven Wildlife Rehabilitation & Education Centre.

AUCC reaches copyright deal

THE ASSOCIATION OF Universities and Colleges of Canada (AUCC) and Access Copyright announced Monday the organizations had completed negotiations on a model licence allowing universities to reproduce copyright-protected materials in both print and digital formats.

The licence will see institutions pay Access Copyright a royalty of \$26 per full-time equivalent student annually. This royalty includes what used to be a separate 10 cents-per-page royalty for coursepack copying, so there will no longer be a separate royalty for such copying. This agreement will be in place until Dec. 31, 2015 and will renew automatically for one-year terms during which any party can cancel or request to renegotiate.

Over the course of the next six months, a survey will be designed jointly to gather reliable bibliographic data and volume of usage trending data to allow Access Copyright to make fair distribution of royalties to its affiliates and to assist in establishing appropriate future licence rates.

"We believe that this negotiated agreement provides a successful outcome for universities, their students and faculty," said Paul Davidson, AUCC president. "It provides long-term certainty on price, and access to a new range of digital materials. Most importantly, the agreement respects the principles of academic freedom and privacy that are important to universities, and ensures that the administrative burden on institutions is minimized."

Western, the University of Toronto and Access Copyright reached a separate deal in January. Under that agreement, which starts next month, the copyright fee for each full-time student will be \$27.50. Full-time students will pay an annual fee of \$25; the university will contribute the remainder of the royalty.



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Rate includes utilities, telephone, cable & internet, parking. Laundry on-site. Park-like setting; short drive to Western. Providing temporary housing to Western visitors for 17+ years. Phone Tammy 519-670-5219.

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Fantastic 3 Bedroom Suite – Somerset Place, 1209 Richmond Rd. Spacious 3 bedroom suites from \$1,467, Utilities incl. Hardwood flooring, parking, laundry, on-site mgmt, minutes to Western. Great move-in incentive. Drop in today. 519-438-8801. realstar.ca.

Renovated 2 bedrm. stone cottage – Old North near St. Joe's Hospital. Cathedral ceilings, hardwood, 5 appliances, air, perennial gardens. Ideal for faculty. No smoking. \$1,200 + utilities. Contact: mhgaudet1@rogers.com. 519-672-6751.

Loft bachelor apt on horse farm near Western – Vaulted ceilings, marble counters, walnut floors, horse welcome, organic garden. Also 3 bedroom cottage with fireplace and organic garden. Looking for long-term renters. Call 519-666-1531.

Sabbatical Rental

292 Steele – Furnished or unfurnished, 3 blocks from Richmond gates. 2 storey Cape Cod house, 2 large bedrooms, 2 bathrooms, finished basement, fully modernized kitchen, central air, washer/dryer, grounds maintained by owner. Rental \$1,275 monthly. Heating, utilities telephone not included. Contact Joan Lenardon at 519-438-6752 or email lenardon@uwo.ca.

Sabbatical home ideal for visiting faculty – Fully furnished, 2 bedroom 2 bathroom condo in downtown London. July-Aug. 2013. Hardwood floors, stainless steel appliances, washer/dryer and secured garage. Contact: 226-663-2333 or momo.zeremski@hotmail.com.

// STUDENT BULLETIN**June Convocation**

The deadline to apply online application for the June Convocation has passed. Please check the convocation website for more details convocation.uwo.ca. Tickets for the June convocation will be released starting the end of May.

Tax receipt information T2202As

Tuition tax receipts for the 2011 tax year are available on-line through Student Center. Check the Registrar's website registrar.uwo.ca for updates.

Web Registration

Web Registration for summer evening, spring summer, summer day and inter-session is now open. If you have registered for summer courses, you can view your Online Statement of Account via student.uwo.ca starting mid-April.

Student Central In-Person Hours

Monday, Tuesday, Thursday, Friday from 9 a.m.-4 p.m. and Wednesday 10 a.m.-5 p.m.

Undergraduate Sessional Dates

April 14-30: Final examination period.
April 30: Second term ends for all Faculties except Dentistry, Education, Law, and Medicine.

May 3: Huron University College Theology Convocation.

May 1: Last day to receive admission applications for Summer Day courses from students applying for the first time. All supporting documentation must be submitted within seven days of this date. Last day to withdraw an application for graduation at Spring Convocation.

// CAREERS

A central website displays advertisements for all vacant academic positions. The following positions are among those advertised at uwo.ca/pvp/facultyrelations/jobs/index-jobs.html. Please review, or contact the faculty, school or department directly.

FULL-TIME ACADEMIC APPOINTMENTS

Faculty of Arts and Humanities - Program in Writing, Rhetoric, & Professional Communication – Invites applications for a one-year limited-term position at the rank of Assistant Professor in Professional and Technical Communication, to begin July 1, 2012. Ph.D. in Writing Studies or related discipline required. Significant research/publication record and university administrative experience are essential. Applications must be received by 15 May. The Program in Writing, Rhetoric, & Professional Communication uwo.ca/writing.

Faculty of Engineering - Department Electrical and Computer Engineering – Applications are invited for a faculty appointment within The Department Electrical and Computer Engineering effective July 1 or as soon as possible. The position is a two year limited-term appointment at the rank of Assistant Professor. The appointment may be renewed for one more year. The Department of Electrical and Computer Engineering (eng.uwo.ca/electrical/) is one of the four Departments in the Faculty of Engineering (eng.uwo.ca). Consideration of applications will commence on April 15 and will continue until the position is filled.

// ACADEME**PhD Lectures**

Olga Buchel, Library and Information Science, *Making Sense of Document Collections with Map-Based Visualizations*, Apr. 19, NCB 293, 12 p.m.

Brent McKnight, Business Administration, *Developing Dynamic Capabilities in Environments of Persistent Disturbances*, Apr. 19, Ivey 1N05, 9 a.m.

Michael McGregor, Political Science, *When voters decide: Causes, correlates and effects of the time-of-voting-decision*, Apr. 19, N/A.

Christopher Hughes, Biochemistry, *Mass Spectrometry-Based Proteomics Analysis of the Matrix Microenvironment in Pluripotent Stem Cell Culture*, Apr. 19, MSB 384, 1:30 p.m.

Bipasha Bose, Mechanical and Materials Engineering, *Assessment of the Kinetics of Local Plastic Deformation of Zr-2.5%Nb CANDU Pressure Tube Material*, Apr. 19, SEB 2009A, 10 a.m.

Denver Nixon, Geography, *Sensing Commute Spaces and Automobile Placed by Foot, Bike and Car in Vancouver, BC*, Apr. 19, SSC 9420, 10 a.m.

Jamie Seabrook, Sociology, *Family Structure and Children's Socioeconomic Attainment in the Transition to Adulthood*, Apr. 19, SSC 9420, 9 a.m.

Ngan Nguyen, Anatomy and Cell Biology, *Anatomy: The Relationship Between Internal and External Visualizations*, Apr. 20, DSB 2016, 9 a.m.

Matthew Teeter, Medical Biophysics, *Assessment of Wear in Total Knee Arthroplasty Using Advanced Radiographic Techniques*, Apr. 20, Robarts Fisher Rm. 2nd floor, 8 a.m.

Heather Maddocks, Sociology, *Underemployment, Unemployment, and Mental Health*, Apr. 20, SSC 9420, 11 a.m.

Juan Manuel Garcia-Hernandez, Chemical and Biochemical Engineering, *Photocatalytic Reactors for Air Treatment: Energy Efficiencies and Kinetic Modeling*, Apr. 20, TEB 434, 9 a.m.

Mohammad Latifi, Chemical and Biochemical Engineering, *Gasification of Bio-oils to Syngas in Fluidized Bed Reactors*, Apr. 20, TEB 434, 1 p.m.

Raul Jose Feliciano-Ortiz, Media Studies, *Watching the games: Critical media literacy and students' abilities to identify and critique the politics of sports*, Apr. 20, NCB 293, 9 a.m.

Amber Riaz, English, *Architectures of the Veil: The Representation of the Veil and Zenanas in Pakistani Feminists' Texts*, Apr. 20, N/A.

Ali Talasaz, Electrical and Computer Engineering, *Haptics-Enabled Teleoperation for Robotics-Assisted Minimally Invasive Surgery*, Apr. 23, TEB 234, 9 a.m.

Theodore Noseworthy, Business Administration, *Context is Everything: Facilitating Fit When New Products are Ambiguous*, Apr. 23, Ivey 1N05, 10 a.m.

Jason Marsh, Philosophy, *Creating and Raising Humans: Essays on the Morality of Procreation and Parenting*, Apr. 23, N/A.

Michael J.D. Roberts, Business Administration, *International returnees and the capturing of foreign knowledge by emerging market firms*, Apr. 23, Ivey 2R07, 9 a.m.

Richard O. Oviasuyi, Mechanical and Materials Engineering, *Investigation of the Use of Micro-Mechanical Testing to Analyze the Mechanical Anisotropy of the Zr-2.5%Nb Pressure Tube Alloy*, Apr. 23, SEB 2099, 10 a.m.

Andre Sutrisno, Chemistry, *Solid-State Nuclear Magnetic Resonance Spectroscopy of Low-Quadrupolar Nuclei in Inorganic Materials*, Apr. 23, ChB 9, 1 p.m.

Secil Erdogan, Sociology, *Identity Formation and Acculturation: The Case of Karen Refugees in London, Ontario*, Apr. 24, SSC 9420, 1 p.m.

Jessica Esseltine, Physiology, *Modulation of G Protein-Coupled Receptor Intracellular Trafficking and Signal Transduction*, Apr. 25, MSB 282, 1 p.m.

Duncan Ewan Keith Sutherland, Chemistry, *Structural Motifs of Novel Metallothionein Proteins*, Apr. 25, ChB 115, 2 p.m.

Maher Ahmed, Physics, *Electronic and magnetic excitations in graphene and magnetic nano-ribbons*, Apr. 25, N/A.

Explore Engineering



Western Engineering Summer Academy

Discover the exciting world of applied science and engineering at the Western Engineering Summer Academy. World-renowned researchers and professors in Western's state-of-the-art facilities will introduce you to the wonders of applied science and engineering.

Designed specifically for Grade 9-12 students, the weeklong sessions start July 23, July 30, August 13 and August 20, 2012.

www.eng.uwo.ca/academy

The Western Engineering Summer Academy is generously funded by the Imperial Oil Foundation.

Register today:
519.661.2111 ext. 86988
or engacademy@uwo.ca

 **Western
Engineering**

Campus Digest

// Western neuroscientist wins Grammy award

While she didn't share the stage with Bruce Springsteen or Adele at the 54th annual Grammy Awards, Jessica Grahn is now a Grammy winner.

Grahn, a neuroscientist at Western, has been awarded a grant from the Grammy Foundation for her ongoing research in studying how the brain senses and reacts to music. Announced as one of 18 grants totaling \$250,000, the Grammy Foundation Grant Program helps facilitate a range of research, archiving, and preservation projects on a variety of subjects.

The aim of Grahn's project, which received \$19,500, is to understand the neural processes that underpin humans' unique ability to sense the beat in musical rhythm by utilizing the most advanced magnetic resonance imaging methods available. One of only six research-focused grants awarded across all of North America, Grahn collaborates with Western scientists Stefan Everling and Joe Gati on her project.

"Our ability to literally feel the beat has played a major role in the development of human culture for millennia," said Grahn, a principal investigator at Western's Brain and Mind Institute. "Thanks to this gift from the Grammy Foundation, we are able to further explore this unique ability and better understand what it is about music that drives us as a species."

// If a class gives students lemons, make lemonade

Armed with only \$50 in seed money, a self-made cardboard lemonade stand, a pitcher and a set of markers, 523 Ivey HBA1 students fanned out across London and Toronto to sell as much lemonade as possible – in only 48 hours.

The event challenged the students' ingenuity and marketing skills all for a good cause. The 2nd annual Hunter Straker and Ivey Give LemonAid project raised more than \$42,500 for the United Way of London & Middlesex's Matched Savings and Microloan Program. This amount surpasses the \$31,138 raised last year for the Boys & Girls Club of London.

// Buffett visit sparks ideas

Twenty Richard Ivey School of Business MBA/HBA students from George Athanassakos' *Value Investing* classes recently returned from Omaha, Neb., from a visit they will not soon forget.

The students, along with finance professors Athanassakos and Alessandro Previtero, hailed from the only Canadian school to have a private

question-and-answer session and lunch with arguably the world's most famous investor, Warren Buffett.

Joined by seven other universities from the United States, the students held court with Buffett discussing a wide range of topics from value investing to his love for playing bridge with Bill Gates.

"The trip was life-changing. Meeting Warren reinforced the idea that good guys really can be quite successful," said Brent Osborne, MBA'12. "The biggest lesson I learned from him was that there is nothing as important or powerful as a well-grounded optimism in humanity, and that we've only just begun to tap our collective human potential."

// Stephenson named to London hall

Carol Stephenson, Richard Ivey School of Business dean, has been named one of two 2012 inductees into the London and District Business Hall of Fame.

Stephenson, along with Paul Cocker, McKay-Cocker Construction Limited president and CEO, will be honoured at the 22nd annual London and District Business Hall of Fame Induction Gala Dinner on Oct. 25 at the London Convention Centre.

"It is a real privilege to be recognized by Junior Achievement and the London Business Hall of Fame," Stephenson said. "London is truly a city and region which embraces an entrepreneurial spirit, and I'm humbled to be mentioned in the same breath as the past inductees."

The London Business Hall of Fame was founded in 1990 by Junior Achievement. In recognition of their entrepreneurship and ethics in business, outstanding members of the London business community are inducted into the hall each year.

// Turik tapped for CIHR position

Lori Turik, Ivey International Centre for Health Innovation executive director, was appointed to the Governing Council of the Canadian Institutes of Health Research for a three-year term, Minister of Health Leona Aglukkaq announced this week.

Turik was appointed along with Michael H. Wilson, Barclays Capital Canada Inc. chairman, who was named chair of the council. Wilson delivered the Richard Ivey School of Business' 2011 Thomas d'Aquino Lecture on Leadership.

Turik has extensive background providing strategic, government relations, policy, stakeholder relations and communications advice to public and private sector clients in her capacity as consultant associate with Link Strategies.

GIFT // CONTINUED FROM PAGE 1

don't even know what to do with it," he said. "In almost any discipline of science, we are collecting huge quantities of data that we cannot make sense of using traditional methods and approaches. There are not enough seconds left in my lifetime to look at all of the data I personally gather."

The solution to this problem is big data analytics.

"The tools that IBM is providing us with are exactly what we need to be able to take these colossal data sets and make sense of them in an automated way," said Daley, adding researchers from disciplines across campus can benefit from big data analytics. "What this provides us is a framework for mining what we really care about. These tools are the foundational tools we need to bring these data sets down to something we can analyze." **WN**

'Shocked' Sarnia student wins *Take the Lead*



CONTRIBUTED PHOTO

Sarnia's Yasmeen Ibrahim inspired the panel of judges and others in the crowd when she delivered the speech that won the top prize at Brescia University College's fourth annual *Take the Lead* public-speaking contest on March 31. "When (Brescia University College Principal Colleen) Hanycz called my name, I was completely shocked. There were so many strong speeches," said Yasmeen, a Grade 11 student from the same high school as the 2011 winner, Northern Collegiate Institute & Vocational School. She is thrilled to have won a full-year academic tuition for her first year at Brescia. Pictured above, from left, are *Take the Lead* finalists Natalie Doummar (Brampton), Mandy Auplish (Mississauga), Ursula Carmichael (London), Belkiza Haziri (London), Athena Dunlop (Windsor), Ibrahim and Emily Dobrich (Medway).

// Four professors honoured by USC

Western professors Julie Gosse, Eli Gladstone and Sean Burkett, all of the Richard Ivey School of Business, and Lars Kottermann, Science, were recently recognized with the 2011/12 Award of Excellence in Undergraduate Teaching, presented by the University Students' Council, Bank of Nova Scotia and UWO Alumni

Association. Gosse was further recognized by the Ontario Undergraduate Student Alliance as an exceptional instructor in the province.

// Kleinknecht wins Brescia teaching award

Sociology professor Steve Kleinknecht has been awarded the Brescia University College Award for

Excellence in Teaching for 2012. The award will be presented at convocation on June 18.

"Being part of an environment, which is truly focused on learning, has been a catalyst for my approachable teaching style. I want students to feel they can openly discuss their ideas inside and outside of the classroom," Kleinknecht said. "I am passionate about my work and make a concerted effort to share my enthusiasm for Sociology with my students."

Your Western Retirement Plan – Annual Member Meetings

How is your journey to retirement coming along? All members of Western's retirement plans and their spouses are invited to attend any one of three annual meetings and information sessions presented by Western's Joint Pension Board. The sessions will provide you with information about your plan that can assist you in making investment decisions. You will hear an overview of the 2011 investment results for Western's retirement plans and have an opportunity to have your questions answered.

All three sessions will be presented by Martin Bélanger, Western's Director, Investments and will take place in the Spencer Engineering Building – Room 2202.

Meeting dates are as follows:

Day time sessions (bring your lunch):

Wednesday, April 25, 2012 from 12:00 – 1:00 p.m. or

Monday, April 30, 2012 from 12:00 – 1:00 p.m.

Evening session:

Thursday, May 3, 2012 from 7:00 – 9:00 p.m. - includes a special presentation

"Wealth Management and Leaving a Legacy" by Bob Livingston of MFS McLean Budden, a company that manages money for Western's Operating & Endowment Fund.

The presentations are free and registration is not required, but room capacity is limited. Representatives will be available to answer your questions after the formal presentations.

We encourage you to submit questions in advance of the meeting to Martin Bélanger, Director, Investments at mbelang7@uwo.ca.



Western

Congratulations to Western's Best

2012 Distinguished University Professorship Award

This award is Western's highest recognition of a faculty member and acknowledges sustained excellence in scholarship over a substantial career at Western.



Stanley Dunn
Schulich School of Medicine & Dentistry



Moira Stewart
Schulich School of Medicine & Dentistry



Jonathan Vance
Faculty of Social Science



Jesse Zhu
Faculty of Engineering

Everyone is invited to the public lectures being presented by this year's recipients of the Distinguished University Professorship Award. Plan to attend and help recognize the scholarly contributions of these outstanding Western faculty.

Public lectures:
Wednesday, May 2
Lectures at 4 p.m., Room 224
Conron Hall, University College

Lecture session will be followed by a reception rsvp@uwo.ca

2012 Faculty Scholars Award

This award recognizes the significant achievements of faculty members in teaching and/or research. Recipients are considered all-round scholars.



Jan Cami
Science



Lorne Campbell
Social Science



Jason Gilliland
Social Science



Chris Guglielmo
Science



Matthew Heath
Health Sciences



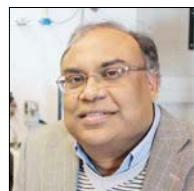
Lance Lochner
Social Science



Joanna Quinn
Social Science



Paul Ragogna
Science



Ajay Ray
Engineering



Claus Rerup
Ivey



Roberto Solis-Oba
Science



Liwen Vaughan
Information & Media Studies



Jun Yang
Engineering

Western University is pleased to honour and congratulate our award-winning faculty members for their excellence in research, exceptional teaching, and commitment to service.

CONGRATULATIONS ON YOUR AWARDS AND BEST WISHES FOR CONTINUED SUCCESS.



Western