

UBC REPORTS

BIG SUMMER FUN ON CAMPUS ISSUE



PHOTOS COURTESY: GEERING-UP

Camp Us

Camp teaches kids about different kinds of smart. BY MICHELLE COOK

Most kids head off to summer camp eager to leave their classroom troubles behind them, but at an unusual UBC summer program, campers get the chance to confront and solve the problems they encounter during the school year.

CampUS is the brainchild of Education Prof. Shelley Hymel and Anne Coulombe of Our Lady of Sorrows School. The program was launched in 1998, with the support of the Edith Lando Foundation, to help children, especially those who lack self-esteem or who have trouble getting along with others at school, to explore their individual strengths and special talents, learn how to cooperate, and respect themselves and others.

"There are lots of ways to be 'smart' but schools traditionally focus on academic intelligence,"

Hymel says. "At CampUS, the idea is for kids to try different things to see what they may be good at."

For two weeks in August students aged eight to 12 from schools around the Lower Mainland head to Bowen Island to attend the day camp where they take part in art, drama, music, and other creative and outdoor activities designed to teach them about empathy and emotions and get them thinking about the consequences of their behaviour.

"Many of these are tough kids," say Hymel of the campers. "The beauty of the program is that campers come from different schools, and work with others they don't know, so their reputations don't follow them. They get a fresh start."

Guided by UBC faculty and graduate students, campers hone their social skills on projects like filmmaking where they work together to develop multiple-ending movies on real life situations they have encountered at school.

Last year, campers created a movie called "Life in a Trash Can" about a kid who kept being dumped into a garbage can by an older boy. They filmed three possible endings: out-bully the bully; tell the principal; or catch the bully on video tape, and take the evidence to those who can help get him into counseling.

The movie becomes a way of learning social problem solving, Hymel says, and the camp becomes a place where UBC students and faculty learn effective ways to help children. ■



A curious summer camper (above) peers through a giant magnifying glass at the GEERING-UP! UBC Engineering & Science for Kids program. GEERING-UP is one of hundreds of camps being offered at UBC this summer. A non-profit student-run program, GEERING-UP! includes summer day camps (with activities such as LEGO Mindstorms (pictured), forensics and human kinetics), satellite camps and First Nations Outreach (www.geeringup.apsc.ubc.ca). Physics and Astronomy Outreach programs for students 6-17 include presentations, hands-on experiments, individual mini-projects, visits to research labs and talks with physicists (www.physics.ubc.ca/~outreach). Also on campus this summer, UBC's Active Living programs offer a world of sports and programs for kids (www.athletics.ubc.ca or 604-822-3688). Through the new Court Sportz camp and the Adventures Abound sessions, kids can try everything from basketball and European handball to kayaking, hiking, beach trips and rollerblading.

Highlights of UBC Media Coverage in May 2002. COMPILED BY BRIAN LIN

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Asian arms trade

Commenting on Malaysia's announcement of a major weapons modernisation programme, UBC International Relations Prof. David Capie told *Forbes.com* that "since the end of the Cold War, patterns of arms acquisitions in Southeast Asia have been closely linked to the performance of regional economies."

Age of universe

Using the Hubble Telescope, a team of scientists led by UBC Astronomy Prof. Harvey Richer said they had arrived at a new measure of the age of the universe: the cosmos is at least 13 billion years old.

"We're not peering at the edge of the universe," Richer told the *New York Times*. "We're a peeping tom looking at our neighbour . . . This new observation short-circuits getting to the age question, and offers a completely independent way of pinning down that value."

Health care cuts

UBC Medical School's Clinical Assistant Prof. Leon Bard told the *Vancouver Sun* that staff shortage has resulted in inadequate patient-care in the ER.

"Although I agree that that the status quo is unsustainable, the changes proposed by this Liberal government will only make the situation dramatically worse," warned Bard. "Rather than relying on information and advice from economists, bureaucrats or politicians, I would suggest consultation with those of us in the front lines who are dealing with these problems face-to-face every day."

Workplace depression

UBC Psychiatry Prof. Raymond Lam is urging employers to be aware of clinical depression at the workplace.

Health Canada estimates that workplace depression costs more than \$1.4 billion in lost productivity to Canadian companies.

"We're hoping business will recognize how important this is and step up to the plate," Lam told *Business in Vancouver*.

Spinal cord breakthrough

In a breakthrough that could help people living with paralysis, a team of UBC researchers has found nerve cells in the spinal cord can survive at least 12 months after an injury.

"This discovery offers a line of hope on the horizon for people who have been paralyzed for some time," UBC Zoology Prof. Wolfram Tetzlaff told the *National Post*. "It opens a whole new avenue of research."

"We now understand that we can revive chronically injured nerve cells - the next step is to grow them



UBC geneticist Elizabeth Simpson found a fierce gene in mice.

across the injured part of the spinal cord," said co-investigator Brian Kwon, orthopedic surgeon.

UBC toughest to get in

Due to a surge in applications over the last two years, UBC has increased the minimum grades required to be guaranteed admission to 86% for science and engineering programs, 82% for arts and 88% for commerce.

"It's scary," Acting Registrar David Holm told the *National Post*. UBC has overtaken Canada's older schools - Queen's, U of T and McGill - as the most selective in the country. "We are certainly popular. Maybe too popular."

Over-fishing

Populations of jellyfish are exploding in seas and oceans around the world, raising concerns about the health of marine ecosystems.

If over-fishing continues in the North Atlantic and elsewhere, fishing boats could soon be chasing jellyfish instead of fish, UBC fisheries scientist Daniel Pauly told the *Washington Post*.

Fierce mice

UBC geneticist Elizabeth Simpson has found an inherited gene mutation in mice that affects the brain and results in a tendency for violence.

"There is a growing field recognizing the potential of mice to study human brain disorders," Simpson told the British news web site *Ammanova*. "Even in a mouse, it's quite a surprise that a single gene would do this and be able to change the brain that much."

Toxins onboard

Commenting on a lawsuit brought against Alaska Airlines by its former employees, who have allegedly suffered neurological damage caused by toxic chemicals onboard, UBC Health Care and

Epidemiology Prof. Chris van Netten told *USA Today* that while the industry keeps saying there's no evidence that people have been hurt, "there's no evidence people have not been hurt either."

"Basically, we don't know because we have yet to catch one of these incidents with the proper instruments," he added.

Cloning legislation

UBC Medical Genetics Prof. Patricia Baird says legislation to ban sex selection clinics, cloning units and commercial enterprises dealing in human tissues is long overdue.

"What we have to do is get our own house in order in this country and have regulations and policies that we believe are ethical and humane," Baird told *CBC News*. "And then we need to work in the international community to make sure that as far as we can that other countries participate in some global agreement on some of these technologies."

Baseball star

UBC baseball player Jeff Francis is expected to become a millionaire as he makes Canadian baseball history. Francis is a left-handed pitcher projected to be a first-round selection in the June 4 amateur draft.

"It's hard to try to pitch normally when there are 20 scouts watching every move you make," Francis told *USA Today*. "I'm getting excited. Sometimes it's hard to think of anything else."

Francis said he chose UBC over other U.S. offers for its academics. The physics major's favourite subject was biophysics. "Science has always come easier than the rest," said Francis, who is fascinated by what makes a CD player or an EKG machine work.

Research funding

A full-page feature in the *Vancouver Sun* details UBC's achievements in innovation and how a variety of channels are explored to ensure an abundance of funding is available to researchers.

UBC Museum of Anthropology director Ruth Phillips said UBC has clarified and reasserted its role as one of Canada's major research universities. "This clarity has encouraged all parts of the university to participate as fully as possible in the research enterprise."

The MoA was recently awarded \$17.2 million from the Canada Foundation for Innovation for a redesigned research wing that will allow First Nations partners to access digitized material from 15 museums in England and North America. ■

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UBC Alumni Recognize Outstanding Achievers

Martha Piper among recipients. BY HILARY THOMSON

Researchers, politicians and community leaders are among the nine recipients of this year's UBC Alumni Association awards.

Victor Ling (PhD '69), vice-president, Research at BC Cancer Agency, is the recipient of the Alumni Award for Research.

Internationally renowned for his research of how cancer cells develop immunity to chemotherapy drugs, Ling is co-director of the Genome Sequence Centre, the first research facility in Canada devoted to decoding human genes.

The Alumni Award of Distinction was given to **Roy MacLaren** (BA '55), a former federal minister and member of the Foreign Service.

MacLaren has also worked in the private sector in a variety of executive positions. His Cabinet positions include Minister of State for Finance and Minister for National Revenue.

Recently he has served as High Commissioner for Canada to UK and Northern Ireland.

The Blythe Eagles Volunteer Leadership Award was given to **Haig Farris** (BA '60, LLB '97).

Farris is a leader in raising awareness of science and technology in B.C. He has served as chair of the Science Council of B.C. and of the founding capital campaign for Science World.

A significant contributor to UBC, Farris was a former president of the Alumni Association.

Rehabilitation Sciences Prof. **Susan Harris** earned the Faculty Citation Community Service Award.

An organizer and participant in the first dragon boat team of breast cancer survivors, Harris has helped to inspire more than 25 such teams around the world. She has also served as a community educator and advocate on breast cancer issues.

The Honorary Alumnus Award goes to retired surgeon and philanthropist **Wallace Chung** (D.Sc '94) and UBC President Martha Piper.

Chung served as head of the Dept. of Surgery at Vancouver Hospital and UBC Faculty of

Medicine. In 1999, he and his wife donated to UBC Library the extensive Chung Collection of Canadian Pacific Railway memorabilia that documents both the Asian experience in North America and West Coast history.

Before becoming UBC's president in 1997, **Martha Piper** served as vice-president, Research and External Affairs at the University of Alberta following an academic career specializing in child development and physical therapy. Instrumental in advancing Canada's innovation agenda, Piper is a member of the Board of the Advisory Council on Science and Technology and of the Canada Foundation for Innovation. She is also a member of the Canada Millennium Scholarship Foundation and the B.C. Progress Board.

The Lifetime Achievement Award goes to **Garde B. Gardom** (LLB '49, BA '49, LLD '02). He became B.C.'s attorney general in 1975 after serving as a member of the Legislative Assembly from 1966-83. Gardom served as agent-general for B.C. in the United Kingdom and Europe, and as lieutenant governor from 1995-2001.

Law graduate **Miranda Lam** was given the Outstanding Student Award. Active on many committees to improve academic and student life, Lam was graduating class valedictorian and the recipient of a YWCA Young Woman of Distinction award.

Janice Eng (BSR '85) earned the Outstanding Young Alumnus Award. An assistant professor of Physiotherapy, Eng is a leading Canadian researcher in the rehabilitation of persons with stroke, spinal cord injury and diseases affecting motor control. ■



Martha Piper



Victor Ling



Susan Harris



Wallace Chung

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The Iona Building at Vancouver School of Theology on the UBC campus. Photo: Perry Danforth

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EDUCATION ON THE LINE

No Place to Learn Why Universities Aren't Working

Tom Pockington and Allan Tupper

Are universities short-changing their students? Two insiders' thought-provoking take on the state of undergraduate education.

A thoughtful, skeptical view of Canadian universities ... it should be required reading.
— Donald Kenney, Stanford University

No Place to Learn demolishes what it calls 'the myth of mutual enrichment,' that only active researchers make good teachers, taking a critical look at the allegedly hard-pressed, narrow research favoured by promotion and tenure committees.
— John Meisel, Queen's University

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Public Information Meeting

on

Millennium Sculpture

Monday, June 10th, 2002, 12:00 to 1:30 pm.
Maple Room, Powdermill Building
2071 West Mall

To present and review the design for the Helen Art Gallery's Millennium Sculpture proposed to be constructed on a green site at 2872 Main Mall & Memorial Road. The sculpture by BC artist, Rodney Graham, consists of a modified kiosk inside a 900 square foot, glass and concrete pavilion. Subject to Board of Governors approval, construction is anticipated to begin in Summer 2002 with completion in late Summer 2002.

This event is wheelchair accessible. Individuals needing assistive listening devices, captioning, or information on alternate media should contact Deborah Mac Donald at 604-822-4443 three days in advance of the meeting. If information on the location of the meeting is required, please contact Deborah Mac Donald at 604-822-4443. FREE PARKING will be available in the West Parkade. Please pick up a parking pass after the meeting in order to exit the Parkade without charge.

Questions or for further info: Len Sabin at 604-822-4443 or Jim Carruthers at 604-822-4443, UBC Campus Planning & Development.

While most students head for the mountains and beaches, 543 UBC students are embarking on summer experiences of a different kind – building their future careers through co-op placements.

UBC's commitment to co-operative education began more than 15 years ago with the faculties of Applied Science and Science. The faculties of Commerce and Business Administration, Forestry and Arts have since launched their own co-op programs, matching hundreds of students with employers for work terms each year.

Co-op students spend about four to eight months working in monitored, paid positions where they apply their academic learning in a work environment. This summer, 70 arts students, 69 commerce students, 29 wood products processing students and 375 science students are completing placements in British Columbia, Canada and overseas.

Josh Homewood's first day on



PHOTO: HELEN LEWIS

UBC Arts co-op student Julia Harrison is helping to organize the "Run For A Cure" fundraiser during her work term with the Canadian Breast Cancer Foundation.

attracted 115,000 participants across Canada in 2001.

The position involves everything from marketing strategy, research and designing spreadsheets to dealing with run participants and volunteers. "I'm loving the work and it's giving me great experience," Harrison says. "I think it will help me get a job – I'm learning more about working in an office environment, the team approach, and gaining technical skills. I would encourage everyone to do this sort of thing."

Third-year Applied Science student Paul Wieringa is spending four months on a co-op placement at Deco Automotive in Ontario. Wieringa's major is in Integrated Engineering, a new program meeting the industry demand for engi-

No Lazy Hazy Crazy Days of Summer

Co-op programs make for a year round curriculum. BY HELEN LEWIS

placement saw him taste-testing sweets and touring a chocolate factory. Homewood, a fourth-year marketing major in the Faculty of Commerce and Business Administration, is completing a three-month co-op placement as a marketing assistant intern at confectionery giant Cadbury Trebor Allan Inc. in Toronto, Ontario. He is working on the launch of new products and new strategies for existing products.

"This is going to be an amazing summer - the experience is unparalleled," Homewood says. "It's an awesome work environment with a lot of fun people. Another great thing about the job is that I'll be able to see the product of my efforts in the near future. I'll be able to walk into London Drugs or Safeway or Walmart and say 'I

worked on that!'"

Genomics is a hot field in molecular biology, and Science student Jerrod Schwartz is in the thick of it with his co-op placement at Agencourt

Bioscience, Massachusetts. The fifth-year biochemistry major is spending four months as a research associate, developing novel applications for Agencourt's Solid Phase Reversible Immobilization (SPRI) technology in the genomics and proteomics industry.

"It's such a great opportunity to be able to spend the summer in a lively college town like Boston, while learning about new biochemical techniques and doing cutting-edge research at a leading genomics company," Schwartz says. "The professional contacts I've made are an incredibly valuable resource.

Whether I apply to graduate school or begin looking for full-time employment, I feel more confident now having completed co-op than I did before. Being able to travel around North America, meet new people, and experience different cultures has been an added bonus."

Fourth-year Faculty of Forestry student Jovan Larre has headed to the east coast of Australia for her final co-op work term. Larre, who is completing Wood Product Processing studies, is spending eight months working for North Eden Timber on the Sapphire Coast, New South Wales, assessing and improving the production of hardwood floors, beds and wardrobes. "Working in a different country allows me to combine work, travel and school. Where I am living is

incredible – it's right on the ocean, very hilly and beautiful," Larre says. "Although Australian culture is quite similar to Canadian, I am learning to deal with different types of people and different techniques used in manufacturing. The people are great here and I feel right at home, except for them driving on the wrong side of the road!"

As a high school student, Julia Harrison volunteered for the Canadian Breast Cancer Foundation's "Run For A Cure" fundraiser. Now a third-year international relations major in the Faculty of Arts, Harrison is completing her first co-op work term as a "Run For A Cure" run assistant. She is spending seven months in the foundation's Vancouver office helping to organize the fall event, which

neers with a broad education and the ability to work across disciplinary boundaries. As a summer engineering student, he is conducting a feasibility study on integrating a new step in the welding cell manufacturing process.

Wieringa says the placement is giving him great training in workplace practices, and the chance to explore various aspects of the engineering field, working with mechanical engineers and machinists.

"If I see an engineer doing something I find interesting, I can ask to get involved. It's an opportunity for me to step up to the plate, so to speak," he says. "I think this placement will be a great experience. In my first two weeks, I've already had a lot of exposure to new concepts and mindsets, as well as technology and software." ■

The Essential UBC Summer Reading List

With congregation ceremonies finished, summer proper is underway on campus. And that means it's time to stock up on summer reading material. Luckily, the UBC community doesn't have to go far for a good read. In the last year, 17 students from the Creative Writing program have had books published or inked book contracts. Here's a list of titles to look for the next time you are browsing in the UBC Bookstore.

A Chance for Life: The Suzanne Giroux Biography by Robyn Burnett. ECW Press, 2001

Heave by Christy Ann Conlin. Doubleday, 2002

The Good Life by Brad Cran. Smoking Lung press, 2002

The Girl Nobody Knows by Kelli Deeth. HarperCollins, 2001

The Broken Record Technique by Lee Henderson, Penguin

Dead Girls by Nancy Lee. McClelland & Stewart, 2002

Lessons from the Sputnik Diner by Rick Maddocks, Vintage Canada, 2001

Love Songs for a Tender God by Hiro McIlwraith. Oolichan Books, 2002.

The Sudden Weight of Snow by Laisha Rosnau. McClelland & Stewart, 2002

Kingdom of Monkeys by Adam Lewis Schroeder. Raincoast Books, 2001

Arms by Madeline Sonik. Harbour Publishing, 2002.

Simple Recipes by Madeleine Thien. McClelland and Stewart, 2001

The Chinese Violin by Madeleine Thien. Whitecap Books, 2001

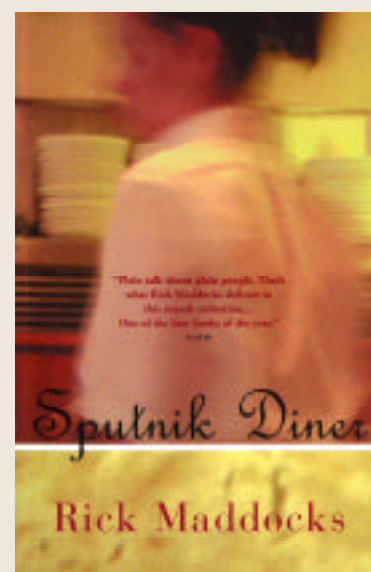
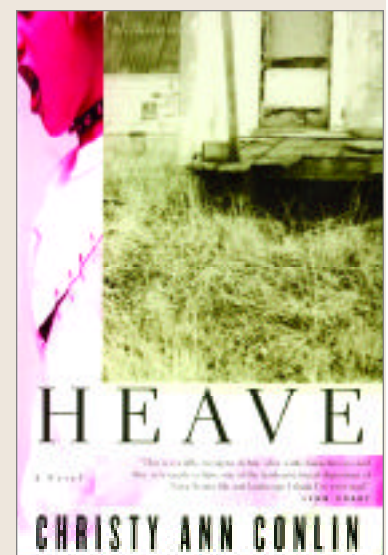
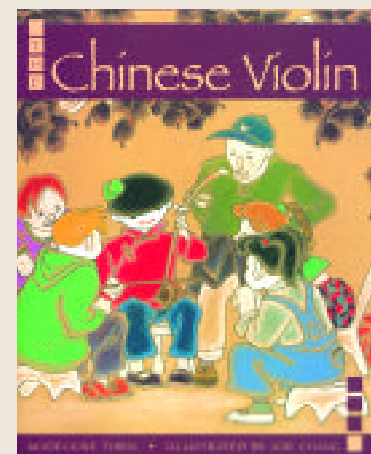
Three Songs by Hank Williams by Calvin Wharton. Turnstone, 2002

Soon to be released are:

This Heated Place: Personal Encounters in the Promised Land by Deborah Campbell. Douglas & McIntyre, 2002

Hiking Vancouver Island by Shannon Cowan. Globe-Pequot Press, 2003

Skank by Billeh Nickerson and Michael V. Smith. Arsenal, 2003



BYOB!

Wine Research Centre hopes to fill the shelves of its new library with the world's best vintages.

BY MICHELLE COOK

When UBC's newest library is completed in early July, you won't be able to borrow anything from it. But if you've got some fine wine you'd like to lend, you can check it in.

Nine months ago, the Wine Library was an old storage room in the basement of the Nutritional Sciences Bldg. Now hidden behind a solid oak door and protected by an elaborate security system, the space houses the B.C. Chapter of the Canadian Wine Library, a temperature and humidity controlled facility where up to 20,000 locally produced wines will be kept. Another section, the Vinotheque, will hold up to 8,000 bottles of the world's finest wines. There is also a tasting room built with a donation from the Mission Hill Family Estate Winery.

The facility, part of the Faculty of Agricultural Science's Wine Research Centre (WRC), is the second of its kind in Canada (the first is at Brock University) but it will be the first in the world to conduct wine research on a large scale, in collaboration with universities in other well-established wine growing regions.

The library will be used by researchers to study and compare how wines age. The analysis will help B.C. vintners to improve their growing techniques and the quality of their wines, in order to compete in the international marketplace.

"There is very little known about B.C. wines' ability to age, and nothing is known about wine

making and grape growing practices in the Okanagan and how they affect the aging potential of the wines produced here," says WRC director Prof. Hennie van Vuuren, who founded both the UBC and Brock wine libraries.

"We'll use science to help growers to find the right sites to plant certain grape varietals, and maximize the Okanagan Valley's potential to produce outstanding cool climate wines."

The challenge now is to fill the library's stacks. The industry has been responding well to van Vuuren's requests for contributions, and he welcomes donations from private collectors. Later this year, the WRC is holding a Chardonnay of the Century Million Dollar Challenge to build a unique database of Chardonnay wines from vintners worldwide.

All the wines in the library will be opened over a period of years and chemically analysed. They will be tasted by faculty members, library board members and, van Vuuren assures, students, too.

Although some outstanding wines have already been donated, van Vuuren's wish list includes a few bottles of Petrus and Chateau Margaux from France. ■

For more information on the Wine Research Centre visit www.agsci.ubc.ca/wine and for more information on the Chardonnay of the Century Million Dollar Challenge visit www.chardonnayofthecentury.com

Prof. Hennie van Vuuren hoists one of the bottles destined for UBC's new wine library.



PHOTO: MARTIN DEE

Top Teachers for 2002

Students and colleagues choose Killam Teaching Prize winners

A champion of undergraduate research is among 23 faculty members who received Killam Teaching Prizes at Spring Congregation this year.

Assoc. Prof. **Kishor M. Wasan** was honoured for his work as director of the Faculty of Pharmaceutical Sciences' Summer Student Research Program. Established in 1989, it introduces undergraduates to the diversity of pharmacy research and the variety of careers open to them through placements with faculty members or local companies.

Since joining the Faculty of Pharmaceutical Sciences seven years ago, he has worked tirelessly to develop funding and foster opportunities for as many undergraduates as possible to learn about the link between teaching and research.

Last summer, 43 undergraduates participated, and many went on to publish the results of their work. The program has become so popular that it attracts applications from students outside the faculty eager for interdisciplinary experience.

Last year, Wasan obtained industry support to develop and direct a national program for sum-

mer research in Pharmaceutical Sciences faculties at universities across Canada.

Wasan's own research interests are centred on the development of drug delivery systems with a special focus on the role that lipids can play in these processes.

Killam Teaching Prize winners are selected by their faculties based on recommendations from students and colleagues. Each winner receives \$5,000 from university endowment sources.

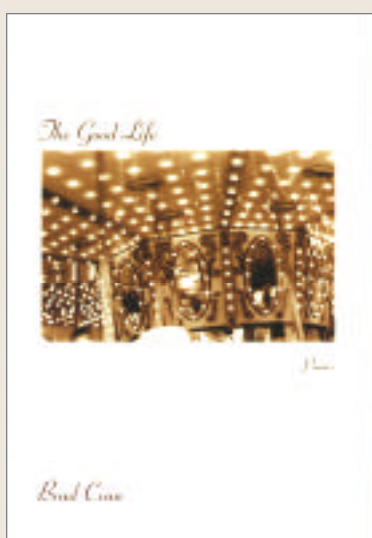
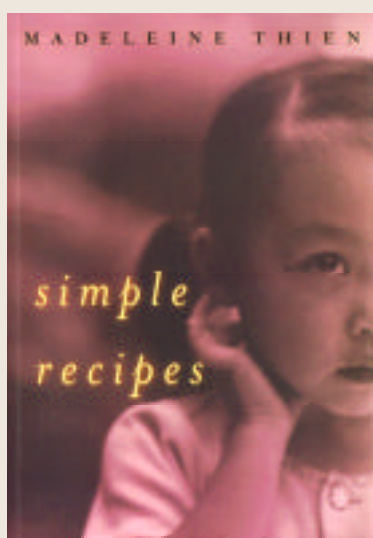
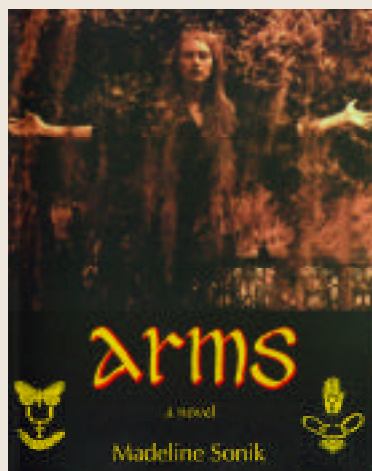
Recipients are distinguished by

their creativity, commitment and dynamic approach to learning.

Other Killam Teaching Prize recipients for 2002 are: Faculty of Agricultural Sciences: **Don Luymes**, Landscape Architecture Program. Faculty of Applied Science: **Marion Clauson**, School of Nursing; **Helmut Prion**, Civil Engineering. Faculty of Arts: **Pamela Dalziel**, English; **Enrique Manchon**, French, Hispanic and Italian Studies; **Ian McKendry**, Geography; **Geoffrey Winthrop-Young**, Germanic Studies; **Stephen Straker**, History. Faculty of Commerce and Business Administration: **Mark Thompson**. Faculty of Dentistry: **Bonnie Craig**, Oral, Biological and Medical Sciences. Faculty of Education: **Anthony Clarke**, Curriculum Studies; **Allison Tom**, Educational Studies. Faculty of Forestry: **Bart van der Kamp**, Forest Sciences. Faculty of Graduate Studies: **Rhodri Windsor-Liscombe**, Individual Interdisciplinary Program; **Laurie Ricou**, English. Faculty of Law: **Claire Young**, Faculty of Medicine: **Catherine Backman**, School of Rehabilitation Sciences; **Andrew Chalmers**, Medicine, **Judith Johnston**, School of Audiology and Speech Sciences. Faculty of Science: **Mary Berbee**, Botany; **Hugh Brock**, Zoology; **Lee Groat**, Earth and Ocean Sciences. ■



Pharm. Sci. Prof. Kishor Wasan links undergrads with research opportunities.



Welcome to the UBC Hotel

Travel bargains for those in the know. BY BRIAN LIN



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It is one of the best-kept travel secrets in British Columbia.

While the general public may not always be aware, thousands of travelling academics and savvy tourists know that every summer UBC Conferences and Accommodation transforms three on-campus residences – Gage Towers, Place Vanier and Totem Park – into comfortable rooms.

Dubbed Vancouver's affordable and most accommodating alternative, Conferences and Accommodation handles an average of 30 conferences and 300 camps from May to August and stays competitive in the hotel industry by offering the beauty of UBC's campus and great value. Rates range from \$22 for a hostel bed to \$129 for the fully equipped West Coast Suites.

"Our biggest advantage over downtown accommodation is the large number of rooms available to groups. We can handle up to 3,000 delegates at a time," says General Manager Allan de Jong. "The proximity of rooms to the meeting space is also a big draw for conference organizers. We offer a one-stop service which includes professional meeting planning and registration services."

While many clients are members of the university community – visiting scholars, ESL students and sports teams – tourists and business travellers who prefer to stay away from the hustle and bustle of downtown Vancouver can stay at one of 47 West Coast Suites, which are open year-round and equipped with a kitchenette and ensuite washroom.

To meet the enormous challenge of turning dorm rooms into visitor accommodation, the Dept. of Housing and Conferences hires approximately 100 housekeepers a year, many are UBC students; dozens of others are hired to help organize conferences and receive guests.

The operation has consistently been a revenue generator for the university, totalling approximately \$6 million in gross revenue per year. The profits go into building new residences, refurbishing existing ones and keeping the rent of student residences low. ■

For more information and bookings, visit <http://www.ubconferences.ca> or call 604-822-1060.



Megan Axford (l), Rebecca Eng join an army of housekeepers as they help transform dorm rooms into travel and conference accommodation (above). 47 West Coast Suites, with a pristine view of the university, operate year-round (below).



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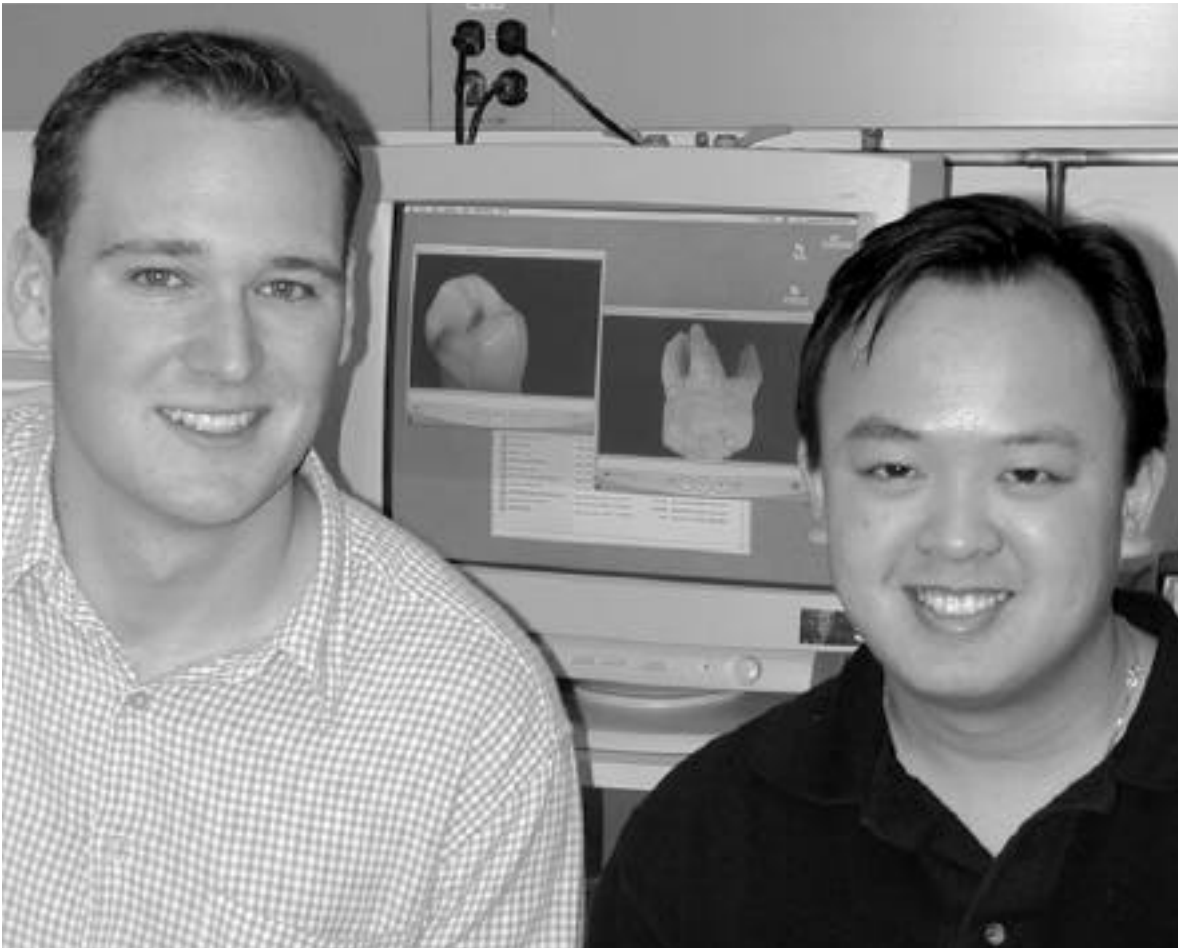
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Dental undergrads Jordan Catherall (l) and Peter Luu's summer research has yielded a virtual teaching tool.

Dental Students Invent Cyber Tooth Training

Pulling teeth out of the textbook gives students new perspective. BY HILARY THOMSON

An interactive 3-D teaching tool built by Faculty of Dentistry undergraduate students is about to revolutionize how students learn the anatomy of teeth by taking dental education out of the classroom and into cyberspace.

Until now, students have relied on lectures, slides and textbook drawings to learn about tooth structure.

But all that is changing with the Virtual Tooth Reality project, believed to be the only program of its kind in North America, which allows students to learn about shapes and structures of teeth using 3-D images of real teeth that can be rotated on-screen to be viewed from a variety of angles. Hot links on specific areas lead students to text references.

UBC dental students first used the interactive resource in September 2001. Response was overwhelmingly positive and the faculty plans to market the program to other universities.

"The beauty of this resource is that students can learn about complex tooth anatomy at their own pace and initiative both at school and at home," says Babak Chehroudi, a clinical assistant professor of Oral, Biological and Medical Sciences. "Instructors can take students to a computer bay in the clinic to view images and prepare for a procedure. It's a student-centered tool that complements our problem-based learning format."

Students Jordan Catherall and Peter Luu started working on the project last summer after their first year in Dentistry and are making further improvements this summer.

The first challenge was finding 28 perfect adult human teeth. Wisdom teeth are variable in structure so were not included in the project. Artificial teeth are often used for teaching, however, they differ in shape and colouring from natural teeth. A scavenger hunt for teeth took them to dentists' offices and teaching and research labs.

Using a motorized rig, a turntable stand to hold the tooth and a digital camera, the students

took 360 pictures – one picture for every 10 degrees of rotation – of each tooth. They highlighted key areas using partial cross-sections and dyes.

"Getting set up and managing the details of the project were tough," says Catherall. "But it was a great chance for me to learn more about anatomy and to help others learn, too."

Computer Science student Colin Ng wrote software that allowed the rig and computer systems to talk to each other.

"It's been amazing to see the excitement and interest in this project from other dental schools," says Luu.

He and Catherall earned second place in a research poster competition at a recent meeting of the American Dental Education Association (ADEA). Abstracts on the project have also been published in the Journal of Dental Education.

"We were overwhelmed by the

interest at the ADEA meeting - this program has so much potential for both dental and medical schools," says Chehroudi.

This summer the students will develop the site to include endodontic images that show crowns, roots, internal pulp and surrounding tissues as well as descriptions of restorative procedures.

They say they have been 'negotiating with the Tooth Fairy' to secure children's teeth to add images of primary teeth to the program. They will also add more text hyperlinks and plan to create a streaming video and animated movies that will show whole procedures on-line.

Support for this project came from UBC's Teaching and Learning Enhancement Fund and from faculty members Prof. Don Brunette, Asst. Prof. Jeff Coil, Assoc. Prof. Lance Rucker with photography support provided by Bruce McCaughey. ■

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GET IN MOTION AT UBC

June 13 from 11:30 am to 1:30 pm. Koerner Plaza.

The event features a pledged walk, wheel or ride; a demonstration of wheelchair basketball; a wheelchair relay race; a dunk tank and display of research into spinal cord injury.

Registration to participate in the event is \$20. Pledge forms are available on the website at <http://madmaxmultimedia.com/rhi/downloads.html>.

All funds raised will go to spinal cord research.

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Women of Distinction

Three members of the UBC community have been named YWCA Women of Distinction. **Linda Siegel** was recognized in the Education, Training and Development category.

A professor of Educational and Counselling Psychology and Special Education, she has contributed significantly to the understanding and treatment of learning disabilities and attention deficit disorder and of children at risk for learning and behaviour problems.

Siegel is the Faculty of Education associate dean, Graduate Programs and Research, and also holds the Dorothy C. Lam Chair in Special Education at UBC.

Dr. Martha Donnelly earned an award in the Health and Wellness category.

An assistant professor of Family Practice, Donnelly specializes in geriatric psychiatry and has worked at Vancouver Hospital since 1984 with an interdisciplinary outpatient outreach team.

Recognized for her contribution to the welfare of seniors and to the training of caregivers, Donnelly is director of the Enhanced Skills Program in the Mental Health Evaluation and Community Consultation Unit of the Dept. of Psychiatry. She is part of a process to identify best practices in mental health for the elderly.



Dr. Martha Donnelly

Law faculty alumna **Patricia Proudfoot** was recognized in the category of Management, Professions and Trades. She completed her law degree in 1952 and has the distinction of becoming the first woman judge in three levels of B.C. courts and the third woman to become a Justice of the Court of Appeal before her retirement in January.

She is recognized as an outstanding jurist and for her contributions to the development and reform of family law

New Associate Vice-president Appointed

Brian Silzer has been appointed new Associate Vice-president, Enrolment Services and Registrar. Silzer comes to UBC following a 30-year career at the University of Alberta where he held several positions including registrar and associate vice-president of the university.

As UBC's associate vice-president, Enrolment Services and Registrar, Silzer will provide leadership on the integration and improvement of enrolment services. His responsibilities will include recruitment, admissions, scholarships, financial aid, classroom services, student information systems, records and registration functions, supporting both undergraduate and graduate programs.

Silzer will also partner with the faculties and senate to plan and build each year's Class and ensure that new initiatives are consistent with the University's Trek 2000 vision and new Academic Plan. He took up his position May 1.



Brian Silzer

Renowned Jurist Elected UBC Chancellor

Former Chief Justice **Allan McEachern**, a UBC alumnus, begins a three-year term on June 25, 2002 as chancellor of UBC. He succeeds William Sauder, chancellor since 1995.

"I am very pleased to have the opportunity to work with such a well-respected member of the community," says UBC President Martha Piper. "Mr. McEachern is a life-time resident of the province, an alumnus and faculty member. He is very well-suited to serve in this role."



Allan McEachern

McEachern graduated from UBC with a Bachelor of Arts in 1949, a law degree in 1950 and was given an honorary doctor of Laws degree in 1990.

In September 2001, McEachern joined UBC as Douglas McK. Brown Visiting Professor and Peter Wall Distinguished Fellow in Law Faculty.

"It is a special pleasure to be so honoured by the alumni and faculty of the university from which I graduated," McEachern said. ■



Rick Hansen greets a friend during Man in Motion tour

PHOTO: PETER BATTISTONI

Get In Motion at UBC

Event to raise funds for spinal cord research.

Get in Motion at UBC is the theme of a community event to be held June 13 from 11:30 a.m. to 1:30 p.m. at Koerner Plaza, in support of the national Rick Hansen Man In Motion Campaign that celebrates the 15th anniversary of Hansen's Man In Motion World Tour.

It is one of a series of events taking place across Canada to raise awareness and funds for spinal cord research.

The event features a pledged walk, wheel or ride; a demonstration of wheelchair basketball; a wheelchair relay race; a dunk tank and display of research into spinal cord injury.

"With the support of Canadians

in communities across the country, we will find a cure for spinal cord injury. Anything is possible," says Hansen, who is president and CEO of the Rick Hansen Institute & Foundation.

Registration to participate in the event is \$20. Pledge forms are available on the website at

<http://madmaxmultimedia.com/rhi/downloads.html>. All funds raised will go to spinal cord research.

Event sponsors include the Alma Mater Society, the Office of the President, Food Services and other UBC departments.

For more information, contact Alex Bayne at (604) 822-1839. ■

On the road again

Student campus tour guides Colin Taillefer, Adam Wright and Jennifer Chan lead the way for UBC tourists and visitors on free hour-and-a-half walking tours that depart M-F at 10 a.m. and 1 p.m. until August 23 from the Student Union Building. The group also offers customized tours, including those for children. Reservations are preferred for all tours which are a service of UBC Ceremonies office. For more information call (604) 822-8687 or email campus.tours@ubc.ca. ■

Guides (l-r) Colin Taillefer, Adam Wright and Jennifer Chan tour UBC visitors.

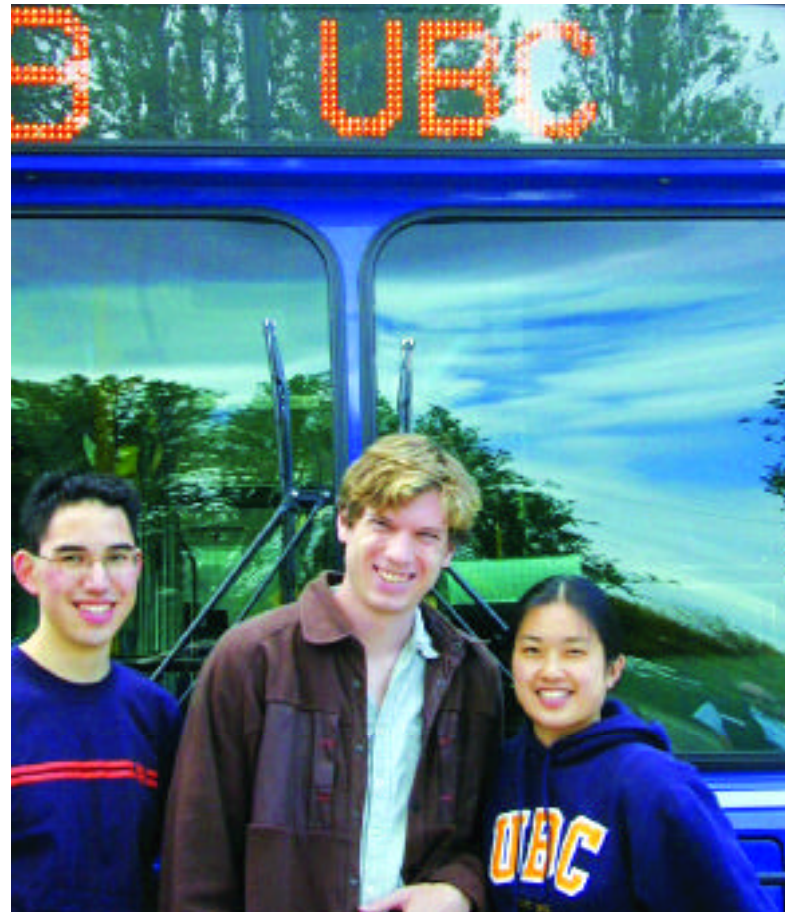


PHOTO: HILARY THOMSON

TIME PIECE 1977

UBC REPORTS SEPTEMBER 14, 1977

UBC patrolman Axel Nicholson reminds motorists that campus speed limits are now posted in kilometers per hour as part of Canada's conversion to the metric system. Speed limit on campus is now 30 km/h, metric equivalent of the former 20 miles per hour. Other speeds to watch out for on approaches to the UBC campus are 50 km/h (30 mph) and 80 km/h (50 mph).
Ed.'s Note: If you are still driving 80 km/h on the approach to campus you're going too fast!



Letter to the Editor:

What a terrific picture and article on Cortland Hultberg in the May 2, Issue of UBC Reports. When I was a young student back then, Professor Hultberg allowed me to use the Buchla synthesiser to produce a sound track for my film Plastic Surgery. It was a thrill to use and I am grateful to Professor Hultberg for giving me that opportunity. What ever became of those two instruments; they would probably fetch a fortune on Ebay.

Chris Gallagher
Associate Professor,
Film Program, UBC

Editor's note:

Thanks for your letter. We found the Buchla and Moog are in the office of Music Instructor Bob Pritchard, who was a student of Prof. Cortland Hultberg and learned on the synthesizers. "I doubt we'd ever let eBay near them," said Pritchard. "They're part of the history of the school, and of the development of electroacoustic music in Canada."