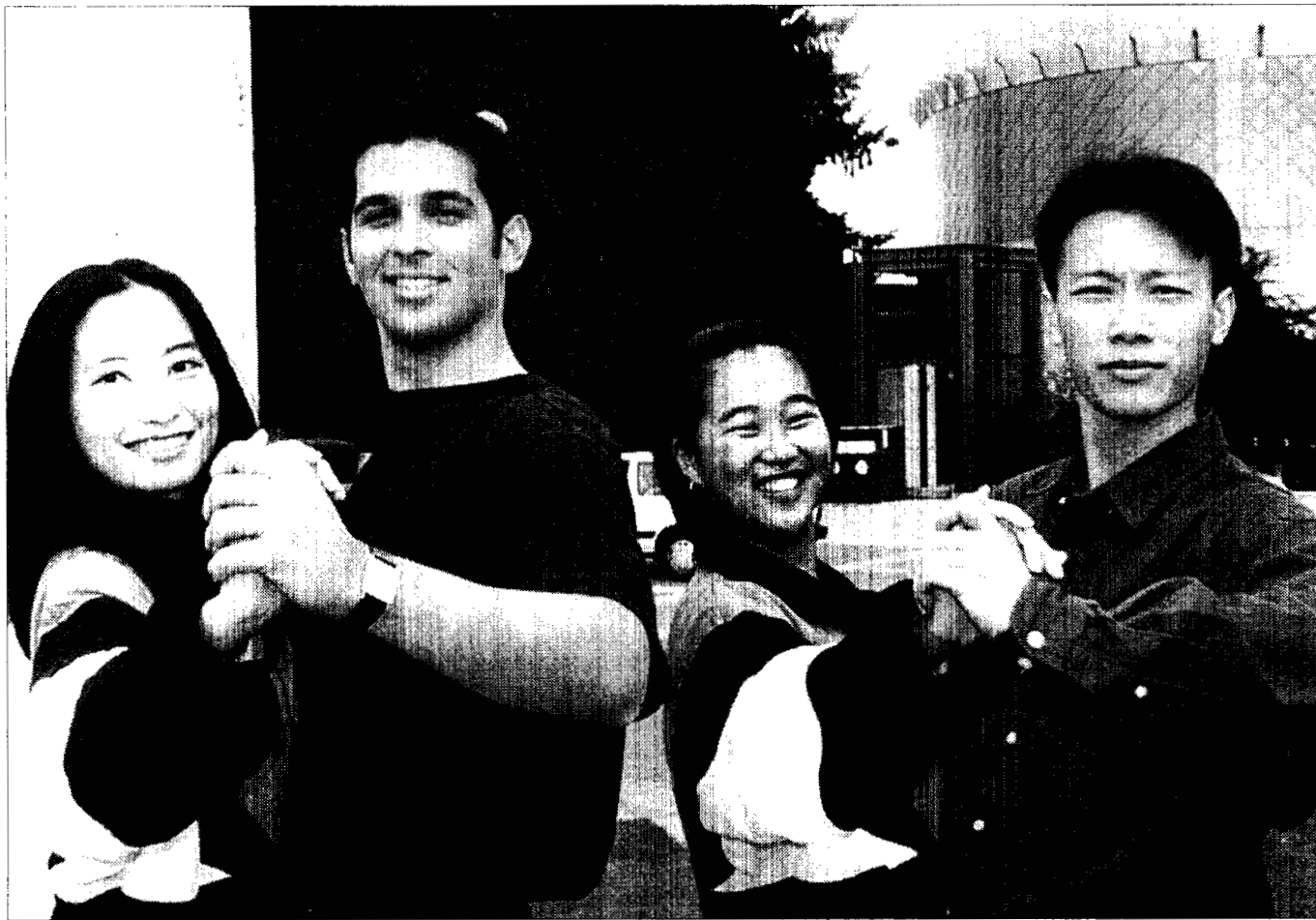


# UBC REPORTS

Volume 45, Number 16

September 30, 1999

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Bruce Mason photo

## Kick Up Your Heels

Bring your partners and family to campus Saturday, Oct. 2. UBC alumni, friends, neighbours, faculty and staff are being welcomed with a whirl of free Alumni Day activities organized by the Alumni Association. Putting their best feet forward are UBC Dance Club members (l-r) Gloria Chien, Peter Pavlovich, Faye Hung and David Huang, who will be featured at the Flagpole Plaza along with campus tours and a barbecue. The day kicks off with a free performance by the UBC Opera Ensemble at the Chan Centre for the Performing Arts. In attendance will be the reunited Class of '49 with their honorary chair, former prime minister John Turner. Other highlights include a Green College luncheon with Commerce Prof. Michael Goldberg speaking on B.C.'s new economy (\$15, reservations required) and the free My Favorite Professor lecture series at the Buchanan Building. Agricultural Sciences is holding an open house. Nursing will start its 80th anniversary celebrations. For the complete list of events visit the Web site at [www.alumni.ubc.ca](http://www.alumni.ubc.ca). Call (604) 822-3313 for more information.

## Students volunteer as science emissaries

A new program that will see Science students acting as a bridge between the university and the community has triggered a response from hundreds of Faculty of Science student volunteers interested in serving as mentors and hosts both on campus and in the community.

"We want to create an environment where student ideas and energy have a significant effect on how the university grows and changes," says Dean of Science Maria Klawe. "We also wanted to create a faculty community that spans across disciplines. I'm thrilled at this level of response — we've heard from students in every department."

Dubbed the Dean of Science Ambassadors, the group of second- to fourth-year students will serve as a core team of volunteers for a wide range of activities including mentoring, promoting science in high schools, hosting visiting groups of students, giving research demonstrations and helping with high school science competitions and contests. They will also develop links with employers.

Student ambassadors will receive free workshop training in areas ranging from public speaking to diversity awareness.

Klawe initially tested the idea with Science students serving as volunteers with Imagine, UBC's first-day orientation program. Their endorsement led to an e-mail

See **SCIENCE** Page 2

## Less paper goal of campus-wide initiative

by Andy Poon

Staff writer

With the much ballyhooed paperless workplace yet to materialize, UBC's Sustainability Office has set out to reduce the more than 100 million sheets of paper that are used each year on campus.

As part of an overall effort to reduce waste and energy use throughout the university, an initiative was started last fall to reduce printing and copy paper use by 20 per cent over the next five years with a 50 per cent reduction over 10 years campus-wide.

"Paper is one of the biggest resources that flows through the campus," says Freda Pagani, director of the Sustainability Office. "There's a perception that paper is very cheap so we can waste it. Printing out e-mails and multiple drafts of documents is common practice."

Paper makes up over half of the waste discarded at UBC. Estimates of the ecological impact of the university's paper consumption are staggering.

As many as 8,435 trees or the equivalent of all the trees on campus are used each year for paper at UBC. Thirty tanker

trucks of oil, or about 755,066 litres of oil are used to make the paper. Close to 38.3-million litres of water and enough energy to power 316 homes a year are consumed to make a year's supply of paper for UBC.

"In the materials category, paper reduction is a major first step to reducing waste on campus," says Pagani.

This fall, the Economics and Political Science departments will test a paper-saving program in which students can either buy or sell articles they no longer need for a price less than the photocopying costs.

The Sustainability Office was created in May 1998 to develop ways to minimize air, water and soil pollution at UBC. To help foster an environmentally responsible campus, waste and energy reduction plans are being developed and implemented throughout the university by the office.

To help implement the sustainability policy throughout UBC, representatives from each department are being trained to serve as liaisons with the Sustainability Office.

These sustainability co-ordinators will eventually replace the volunteer recy-

See **PAPER** Page 2

## Donations go further with United Way

With volunteers busy rallying UBC faculty, staff and students for this year's

United Way Campaign across campus, organizers want to remind people of the benefits that their donations bring to their community.

"We are thankful for support of our effort and together we will make possible the day when future generations will be free of the fear of cancer," says Jane Hungerford, chair of the B.C. Cancer Foundation.

"We see support for the purchase of food and the maintenance of our operations as the key element in combating hunger," says Pat Burns, executive director of the Greater Vancouver Food Bank Society.

It's that type of feedback that makes the efforts of the UBC campaign team — comprised of more than 200 volunteers — worthwhile, says 1999 UBC United Way Campaign Chair Eilis Courtney.

See **UNITED** Page 2



United Way

### Inside

#### Shrum Scrum

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Will the T-Birds triumph in this year's crosstown rivalry?

#### Beetle Mania

3

Plant Science Prof. Judy Myers and her team pit bugs vs. plants and win

#### Poly-Dent

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Dentistry Assoc. Prof. Lance Rucker keeps busy and not just with work

## Science

Continued from Page 1

message to second-, third- and fourth-year students. More than 500 students expressed an interest in being a Science ambassador.

The program may be unique in Canadian universities, although connecting with the community is part of the culture in science, according to Klawe.

"Science for society has become a common theme in the last 30 years," she says. "These students are eager to celebrate science, to make our work understandable to the public and to get input on what questions we might be exploring."

Students will report their activities back to Klawe and program organizers who include Paul Harrison, associate dean of Science, Juliet Benbaset, director of the Science One program, Shona Ellis, a sessional lecturer in Botany and others in Science's 300-member faculty.

There will likely be some form of recognition for volunteers, says Klawe, who is building the program around student feedback.

UBC's Faculty of Science has almost 6,000 undergraduate students.

## United

Continued from Page 1

With as many as 104 local agencies and 32 affiliates receiving some form of funding from the campaign, the money raised from Oct. 18-29 will go towards supporting a vast array of services and programs throughout the Lower Mainland.

The United Way is one of the best ways people can give to charities and community organizations, says Courtney.

She points out that the Lower Mainland's United Way organization has one of the lowest fundraising costs in Canada due to conservative fiscal management and the foresight of local volunteers who established an endowment fund for the United Way more than 50 years ago.

On average, it costs United Way 12 cents to raise each dollar. But with the interest generated by the endowment fund covering five of the 12 cents, member agencies receive 93 cents from each dollar raised.

United Way also receives donated advertising time and space from radio, television and news organizations, saving costs associated with promoting the campaign.

One in three people in the Lower Mainland have used the services of a United Way member agency or service and all of the money raised in the Lower Mainland remains within the area.

People interested in volunteering for this year's UBC United Way campaign can still do so by contacting the campaign office at (604) 822-8929. For information on this year's drive, visit the Web site at [www.unitedway.ubc.ca](http://www.unitedway.ubc.ca).

### Lluvia Preschool

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## Paper

Continued from Page 1

cling area monitors and Go Green transportation co-ordinators across campus.

To date, 54 sustainability co-ordinators have been trained throughout the university with the goal to train 100 co-ordinators by May. Pagani estimates it will be almost two years before there

are co-ordinators in each department across the university.

For more information on the paper reduction plan, visit the Web site at [www.sustain.ubc.ca](http://www.sustain.ubc.ca). Staff or faculty interested in volunteering as sustainability co-ordinators may call (604) 822-0483.

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- Can a university have a soul?
- Can a university change the future?
- Can a university inspire?

The University of British Columbia thinks so.

Join UBC President Dr. Martha Piper and the Board of Governors at our second Annual General Meeting as we reflect on the important attributes and qualities that define a university.

In a multimedia format, we will share with you stories of the recent accomplishments of UBC students, faculty, staff and alumni who are part of the outstanding tradition of excellence that defines UBC. You will also learn more about Trek 2000 — UBC's vision for the next century.

DATE: Tuesday, Oct. 19, 1999  
 TIME: 12:30 p.m. to 1:30 p.m.  
 LOCATION: Chan Centre for the Performing Arts

Please extend this invitation to your colleagues and friends.



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	F	7:30 am - 3:00 pm
Barn		7:45 am - 4:00 pm
Bread Garden		7:30 am - 5:00 pm
Edibles	M - TH	7:45 am - 6:30 pm
	F	7:45 am - 3:00 pm
IRC		8:00 am - 3:30 pm
Gage Mini Mart	M - F	10:00 am - 10:00 pm
Trek's Express	M - TH	7:30 am - 7:30 pm
	F	7:30 am - 3:30 pm
Pacific Spirit Place		7:30 am - 2:00 pm
Subway	M - F	7:30 am - 9:30 pm
	Sat	11:30 am - 6:30 pm
	Sun	4:00 pm - 9:30 pm
Espresso On the Go		7:00 am - 4:00 pm
Steamies at the Bookstore		9:30 am - 3:00 pm
Yum Yum's		7:45 am - 3:00 pm
Sage Bistro (University Centre)		11:00am - 2:00pm

Totem Park & Place Vanier Dining Rooms are OPEN daily to serve students, staff & faculty 7:15 am - 7:00 pm



## University Boulevard Bike Lanes Now Open!

Improving Your Transportation Choices

The UBC TREK Program Centre thanks all partners for their support in making this roadway-transformation a reality!

Our partners in this project include:

- UBC Students (via AMS) (\$15,000)
- Province of British Columbia (\$75,000)
- Coast Mountain BusLink (\$52,000)
- UBC TREK Program Centre (\$25,000)
- Insurance Corporation of BC (\$6,100)
- Communicopia Inc. (Project Web Page)
- Urban Systems Ltd. (Engineers)
- Imperial Paving (Contractors)

And a special thank you to everyone else in the UBC Community (especially UEL, City of Vancouver, and B.E.S.T.) for showing their support. Project details and pictures: [www.trek.ubc.ca](http://www.trek.ubc.ca).



## UBC REPORTS

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Bruce Mason photo

## Main Music

**Erika Switzer thinks the public will agree that she has discovered a great room to stage free noon-hour concerts and showcase the talent of UBC music students. Switzer (left), who is completing a master's degree in piano performance, will kick off the series with baritone Tyler Duncan Friday, Oct. 1 at 12:30 p.m. in the Dodson Reading Room in Main Library. The room has recently been restored to reflect its original 1925 splendour.**

# Conference focuses on aboriginal health issues

Developing aboriginal health curriculum is the aim of an interdisciplinary student conference called Building Bridges: Understanding and Supporting Aboriginal Health that will take place at the First Nations House of Learning, Oct. 1-3.

The conference, the first of its kind at UBC, has attracted a full house of 60 participants from 12 different faculties.

Residential school experiences, traditional spiritual methods of preventive medicine and the protocol of approaching an elder are some of the topics to be discussed in student-facilitated workshops.

"We wanted to create a learner-centred experience that had relevance to many disciplines," says Cindy Orlaw, president of the Students for Aboriginal Health (SAH), the group co-organizing the conference with the Global Outreach Students' Association (GOSA).

Speakers include Assoc. Prof. Richard Vedan of UBC's School of Social Work and Family Studies who will discuss cross-cultural understanding. Education alumna Shirley Sterling will lead a workshop on caring for oneself using the concept of the medicine wheel that addresses the physical, emotional, mental and spiritual healing aspects.

Other speakers include University of Northern British Columbia Prof. Mary-Ellen Kelm who will speak on the history of aboriginal health in B.C. A panel of elders will offer perspective on the conference and guidance for future aboriginal and non-aboriginal health workers.

"TB, poverty and infant mortality are a real concern in many aboriginal communities but often these realities aren't reflected in Canadian health statistics," says GOSA chairperson and second-year medical student Charissa Meakes. "It's

important for students in health professions to look at current aboriginal health concerns that have resulted from the last hundred years right here in B.C."

Workshop participants will be organized into groups bearing clan names such as Eagle, Killer Whale and Raven. Information from the sessions will be compiled into resources for aboriginal health curriculum development. Conference organizers aim to develop learning modules that can be incorporated into existing courses in various faculties.

"About one-sixth of B.C.'s population are aboriginal people but there's very little in the existing undergraduate curriculum that prepares students for the health issues and culture they'll encounter when they start working," says Orlaw.

The Building Bridges conference committee, which comprises students from areas such as pharmacy, education and botany also aims to develop a Web site of learning materials and create internships in communities where aboriginal health is an issue.

"Students saw the need for this information — they're right in the trenches," says James Andrew, co-ordinator of the division of Community Liaison in the Institute for Aboriginal Health and supervisor of the conference project. "Issues that arise in class may not be examined thoroughly because instructors feel they are not an authority. Also, doctors supervising students in rural sites where the majority of patients are aboriginal report that students often don't know how to approach patients because they are unfamiliar with the culture."

The conference is funded by a \$50,000 grant from the Teaching and Learning Enhancement Fund.

# Beetles eat life out of loosestrife at Jericho

by Bruce Mason

Staff writer

Vancouver's magnificent Jericho Park has a welcome new attraction, one that can't be seen.

Several years ago, purple loosestrife, an introduced plant, was displacing native plants. This summer it has been demolished by European beetles released into the park's west pond by UBC scientists.

"The beetles have reached high densities and are having a major impact on the loosestrife plants, most of which have been killed in the pond," says Plant Science and Zoology Prof. Judy Myers.

"Look, it's toast," says Zoology graduate student Madlen Denoth, pointing to dead brown stalks of plants that once choked the area. She and assistant Janis Newhouse have been tracking the impact of the beetles under Myer's supervision.

Ponds at Jericho Park are good examples of wetlands across northern North America which have been invaded by European purple loosestrife, *Lythrum salicaria*. An attractive plant, with pretty purple flowers, it is capable of taking over wetland sites and was clearly doing just that in the early '90s at Jericho.

In 1993, Myers released 30 individuals of a European beetle that feeds exclusively on purple loosestrife. They had

been reared at the Agriculture and Agrifood Canada Laboratory in Lethbridge, Alta.

In 1996, beetles of the same species collected from a site in Ontario — where they had been effective at reducing loosestrife densities — were added.

For those familiar with Jericho Park, loosestrife plants killed by beetles are a pleasant sight. In an adjacent pond with lower densities, loosestrife has been aggressively pulled by interested citizens.

Beetles have now been released at a number of sites around the Lower Mainland, but they have shown the greatest impact at Jericho and several locations near Chilliwack. The research project is looking at why the beetles are more effective at some sites than others.

"The beetles are good dispersers, so we hope they will find new sites in the Jericho area," says Myers. "This summer we moved about 500 beetles from this site to a new location in Langley where we hope they will establish and continue to battle this invasive weed."

In addition to the work on biological control, the study is looking at interactions between purple loosestrife and two rare marshland plants to measure the potential impact.

The research has been funded by the B.C. Habitat Conservation Fund and the World Wildlife Fund.



## T-Bird notes

by Bruce Mason  
Staff writer

# Coach readies for Shrum showdown

It's not his first Shrum Bowl but UBC football coach Jay Prepchuk is still pumped.

The Thunderbirds will meet cross-town rivals, the SFU Clan, for the 22nd time Oct. 2 and the score is tied at 10-10-1. The kickoff is 7 p.m. at Burnaby's Swangard Stadium.

Prepchuk, in his first season as UBC head coach, recalls other Shrum Bowls, especially 1980 when SFU trounced UBC 30-3. He was on the other side, SFU's quarter-back and the game's most valuable player, well on his way to establishing records that still stand on Burnaby Mountain.

"It's exciting to play SFU for myself and the players," he says. "It's a big event. Pride and a rivalry are involved and the outcome reflects on our program."

Prepchuk will face his former coach Chris Beaton and although UBC will have to adjust to American rules to play SFU, the team won't have any excuses, he says.

Much as he would like to win against his alma mater, it's an exhibition game and bragging rights, not points, are at stake.

Prepchuk's primary focus is UBC's

regular season. UBC is ranked fifth in the Canadian Inter-university Athletic Union (CIAU) top ten with a 3-1 record. He says UBC's football team is improving with each game but still

hasn't reached its full potential. And he hopes the university community will come out and support the team in home games against top-ranked Manitoba Oct. 8 at 7 p.m. at Thunderbird Stadium and defending national champions, Saskatchewan Oct. 15 at 7 p.m.

Another UBC tradition, the Father Bauer Classic takes place Oct. 8 at 4 p.m. and 7 p.m. and Oct. 10 at 3 p.m. and 6 p.m. at the Winter



Prepchuk

Sports Centre.

The Father Bauer Classic is an annual UBC hockey tournament featuring the Thunderbirds and teams from Canadian universities. Playing this year are the University of Calgary, the University of Regina and York University.

Varsity athletes are prepared to generate excitement on campus and across the country in the weeks ahead. For information on upcoming events, scores and ticket prices, call the 24-hour T-Bird line at (604) 822-BIRD (822-2473).



# Calendar

## October 3 through October 16

### Sunday, Oct. 3

**Contemporary First Nations Arts Speaker Series**  
Illustrated Talk. Marianne Nicolson, artist. MOA Theatre Gallery at 2pm. Call 822-5978.

### Monday, Oct. 4

**TAG Seminar For The Teaching Community**  
Create Quizzes And Tests Using Word 97. David Lam PC Lab B from 9am-12noon. Register at [www.cstudies.ubc.ca/facdev/](http://www.cstudies.ubc.ca/facdev/) or call 822-9149.

**Seminar**  
Making Technology Happen. Denil Doyle, chairman, Capital Alliance Ventures Inc. NRC Innovation Centre from 9am-4:30pm. \$445 includes lunch. Call 822-1884.

**Blood Donor Clinic**  
SUB Ballroom from 9am-2:30pm. Bring valid photo and signature ID. For additional eligibility requirements call 879-6001.

**President's Lecture/Peter Wall Institute Lecture**  
Anger And Revenge. Prof. Myles Burnyeat, Philosophy, Oxford U. Peter Wall Institute from 12:30-1:30pm. Call 822-3292 or 822-2621.

**Centre For Southeast Asia Research Seminar**  
Press Freedom And Political Intervention: A Commentary On Recent Developments In The Philippines. Ellen Tordesillas. CK Choi 120 from 12:30-2pm. Call 822-2629.

**Seminar**  
Direct Numerical Simulation Of Turbulent Reacting Flows. Asst. Prof. W. Kendal Bushe, Mechanical Engineering. CEME 1202 from 3:30-4:30pm. Refreshments at 3:25. Call 822-3770.

### Tuesday, Oct. 5

**TAG Seminar For The Teaching Community**  
Are There Any Questions? Designing And Asking Questions For Multiple Learning Situations. David Lam basement TAG seminar room from 9am-12noon. Register at [www.cstudies.ubc.ca/facdev/](http://www.cstudies.ubc.ca/facdev/) or call 822-9149.

**Vancouver School Of Theology**  
Leadership For Congregations In Transition: An Introduction To Interim Ministry. Margaret Jonsson and guest clergy. VST, 6000 Iona Dr. from 9:30am-4pm. Continues to Oct. 7. \$175. Call 822-9815.

**Faculty Women's Club Program**  
The Vancouver Society Of Storytelling. Helen O'Brian, founding director. Cecil Green Park House at 10am. Call 822-0434.

**Continuing Studies Public Lecture**  
Canterbury Tales. Rachel Mines, PhD candidate, King's College. Vancouver Public Library (downtown), Peter Kaye Room from 10-11:30am. Continues to Oct. 26. \$47, seniors \$42. Call 822-1420.

**Institute For European Studies**  
Current Migration Trends And The Political Debate Concerning Migration In Italy Today. Enrico Pugliese, U of Naples. Buchanan

Penthouse at 12:30pm. Refreshments at 12noon. Call 822-1452.

**Oceanography Seminar**  
Transport Of Asian Pollutants To The West Coast Of North America: 1999 Update. Dan Jaffe, U of Washington. BioSciences 1465 at 3:30pm. Call 822-3278.

**Statistics Seminar**  
Fuzzy Sets (An Introduction). S. Mahmoud Taheri, Shiraz U. CSCI 301 from 4-5:30pm. Refreshments (bring mug). Call 822-0570.

**Lecture**  
History And Ethnography Through The Writings Of A. Irving Hallowell: Ojibwa Conversations From The 1930s and 1990s. Jennifer Brown, U of Winnipeg. Buchanan Tower 1206/1207 from 4:30-5:30pm. Call 822-5179.

**Green College Speaker Series**  
In Search Of Ecologically Sustainable Yield Model. Neil Gribble, Queensland U. Green College at 5pm. Reception from 6-6:30pm. Call 822-1878.

**Seminar**  
Water Based Fire Suppression I. CEME 1202 from 6:30-9:30pm. Continues to Nov. 16. \$900, or \$1100 by distance learning. Call 822-1884.

**Continuing Studies Public Lecture**  
Understanding Islam. Emile Nucho, McGill U. University Women's Club, 1489 McRae Ave. from 7:30-9pm. Continues to Nov. 9. \$67, seniors \$62. Call 822-1420.

**Continuing Studies Writing Workshop**  
Writing For Screen and TV: An Introduction. Bill Van Luven, producer/director. Carr Hall conference room from 7:30-9:30pm. Continues to Nov. 23. \$200. Call 822-1420.

### Wednesday, Oct. 6

**Orthopedics Grand Rounds**  
Scientific Program. North American travelling fellows. VGH, Eye Care Centre Aud. from 7am-12 noon. Call 875-4192.

**Continuing Studies Public Lecture**  
Dostoyevsky. Prof. Emeritus Bogdan Czaykowski, Slavonic Studies. Vancouver Public Library (downtown), Peter Kaye Room from 10am-1:30pm. Continues to Oct. 27. \$47, seniors \$42. Call 822-1420.

**Centre For Chinese Research Round Table**  
Religious Issues In China: The Contemporary Context. Daniel Overmyer, Asian Studies; Andre Laliberte, Political Science; and Anwar Ablimit, Centre for Chinese Research. CK Choi 120 from 12noon-2pm. Call 822-2629.

**Centre For Research In Women's Studies Colloquium**  
Gabrielle Roy: Negotiating Meaning. Jane Everett, McGill U. Women's Studies lounge from 12:30-1:30pm. Call 822-9173.

**Wednesday Noon Hours Concert**  
Silk Road. With Celso Machado, Brazilian guitar; Laurence Mollerup, bass. Music Recital Hall at 12:30pm. Admission \$3. Call 822-5574.

**Continuing Studies Writing Workshop**  
Autobiography. Lillian Boraks-Nemetz, University Women's Club, 1489 McRae Ave. from 1-3pm. Continues to Nov. 10. \$120. Call 822-1420.

### Continuing Studies Public Lecture

Where Has Love Gone? Marina Sonkina, teacher, writer. Vancouver Public Library (downtown), Peter Kaye Room from 2-3:30pm. Continues to Nov. 10. \$67, seniors \$62. Call 822-1420.

**Nursing Rounds**  
Evaluation Of A Community Postpartum Telephone Intervention. Nancy Hambley, MSN student. UBC Hosp., Koerner Pavilion T-206 from 3-4pm. Call 822-7453.

**Individual Interdisciplinary Studies Graduate Program Interdisciplinarity As Necessity.** John MacDonald, founder of MacDonald Detweiler, Green College at 5pm. Call 822-1878.

**Cultural And Media Studies**  
TBA. Elliot Goldner, Psychiatry. Green College at 7:30pm. Call 822-1878.

**University Women's Club Of Vancouver**  
Artist's Gallery Opening. Printmaking artists Miriam and Lane Tratt. University Women's Club, 1489 McRae Ave., from 7-9pm. Call 731-4661 or [uwvanc@bc.sympatico.ca](mailto:uwvanc@bc.sympatico.ca).

**Continuing Studies Writing Workshop**  
Creative Writing: Square One. Paul Belsere, local writer, director & producer. UBC Hosp., Koerner Pavilion T-185/186 from 7:30-10pm. Continues to Nov. 24. \$190. Call 822-1420.

### Thursday, Oct. 7

**Continuing Studies Public Lecture**  
Shakespeare: The Man Of The Millennium. Christine Parkin. Vancouver Public Library (downtown) Peter Kaye Room from 10-11:30am. Continues to Nov. 18. \$67, seniors \$62. Call 822-1420.

**New Faculty Orientation**  
New Faculty Orientation Walking Tour. David Lam TAG seminar room from 12-4:30pm. Register at [www.cstudies.ubc.ca/facdev/](http://www.cstudies.ubc.ca/facdev/) or call 822-6827.

**Continuing Studies Public Lecture**  
Mars and Venus In The Trenches: Gender Roles & The Literature Of The Great War. Deborah London. Vancouver Public Library (downtown) Peter Kaye Room from 2-3:30pm. Continues to Nov. 25. \$77, seniors \$72. Call 822-1420.

**Science Council Seminar**  
From Concept To Company: Launching Your Technology Spin-Off Company. A panel of experts assembled by the Science Council of BC. SFU from 3-7pm. Pre-register by calling 438-2752.

**Nature, Culture And Colonialism Lecture Series**  
Climate, Race, And Regionalism In The American South. Mary Stewart, History, Western Washington U. Green College at 7:30pm. Call 822-1878.

**Continuing Studies Public Lecture**  
Comparative Realities: A Tour Of World Views. Carr Hall conference room from 7:30-9:30pm. Continues to Dec 2. \$135, seniors \$125. Call 822-1420.

**St. John's College Lecture Series**  
Ethos And Expertise In Technical Discourse. Carolyn Miller. St. John's College 1080 at 7:30pm. Call 822-8781.

### Friday, Oct. 8

**HCEP Rounds**  
Development Of A Statewide CATI-Based Health Survey In Victoria, Australia. Dr. Michael Ackland. Mather 253 from 9-10am. Call 822-2772.

**Pediatric Grand Rounds**  
Chimeric Oncoproteins In Childhood Cancer: When The Whole Exceeds The Sum Of The Parts. Dr. Poul Sorenson. GF Strong Aud., from 9-10am. Call 875-2307.

**Occupational Hygiene Program Seminar Series**  
Exposure Of Chronic Obstructive Pulmonary Disease Patients To Particulate Air Pollution: An Assessment Of Exposure And Cardiovascular Health Effects. Stefanie Ebel, MSc candidate. UBC Hosp., Koerner Pavilion G-279 from 12:30-1:30pm. Call 822-9861.

**Weekly Seminar**  
An Initial Model Of The Forming And Wet-Processing Stages Of A Twin-Wire Paper Machine. Asst. Prof. Mark Martinez. ChemEng 206 at 3:30pm. Call 822-3238.

**Mathematics Colloquium**  
Residually Finite Groups. Prof. Akbar Rhemtulla, U of Alberta. Math 100 at 3:30pm. Refreshments at 3:15pm in room 1115. Call 822-2666.

**Physical Chemistry Seminar**  
Designing Separation Systems In Capillary Electrophoresis. Philip Britz-McKibbin. Chemistry D-225 at 4pm. Refreshments at 3:45pm. Call 822-2448.

**Vancouver School Of Theology**  
Level 1 Computer Course. Gordon Laird. VST, 6000 Iona Dr. from 7-9pm. Continues to Oct. 9. \$50, \$45 (team), \$25 (seniors). Call 822-9815 to register.

### Tuesday, Oct. 12

**Continuing Studies Public Lecture**  
Conversation With A Classic: May Brown. May Brown, former Vancouver politician. Vancouver Public Library (downtown), Peter Kaye Room from 12noon-1pm. \$8. Call 822-1420.

**Intercultural Studies In Asia**  
The Mountain Is Moving: Japanese Women's Lives. Reading by Prof. Emerita Patricia Morley, Concordia U. CK Choi 120 from 12:30-2pm. Call 822-2629.

### Continuing Studies Writing Seminar

Life Into Fiction. Lillian Boraks-Nemetz, author. Carr Hall conference room from 1-3pm. Continues to Nov. 30. \$155. Call 822-1420.

**Statistics Seminar**  
A Bayesian Approach To Fuzzy Hypotheses Testing. Mahmoud Taheri, Shiraz U. CSCI 301 from 4-5:30pm. Refreshments (bring mug). Call 822-0570.

**Green College Speaker Series**  
TBA. Wayland Eheart, Civil Engineering, U of Illinois. Green College at 5pm. Reception, 6-6:30pm. Call 822-1878.

**St. John's College Lecture Series**  
Perimenopause, Culture and Women's Reproduction. Dr. Jerilyn Prior. St. John's College at 5:15pm. Call 822-8781.

**Museum Of Anthropology**  
Virtual Tour Of Ancient Rome by means of a 3-D CD-ROM. Museum of Anthropology Theatre Gallery at 7pm.

### Wednesday, Oct. 13

**Orthopedics Grand Rounds**  
Post-Traumatic Bone Defects In The Tibia. Dr. R. Meek and Dr. W. Taha. VGH, Eye Care Centre Aud. at 7am. Call 875-4192.

**Cecil And Ida Green Visiting Professor**  
Legacies Of Anti-Fascism: Building Democracy In Postwar Europe. Prof. Geoffrey Eley, History, U of Michigan. Buchanan A-104 at 12:30pm. Call 822-5675.

**Wednesday Noon Hours Concert**  
Vilma Vitols, voice. Music Recital Hall at 12:30pm. Admission \$3. Call 822-5574.

**Netherlands Studies Film Screening and Lecture**  
"Falling:" Documentary Filming In A Polarized Situation. Jean Hellwig, Dutch filmmaker. Buchanan B-312 at 4pm. Call 822-5178.

**Institute Of Asian Research**  
Stockbrokers Turned Sandwich Vendors: The Economic Crisis And Food Retailing In The Philippines And Thailand. Gisele Yasmee, Sustainable Development Research Institute. CK Choi 120 from 4:30-6pm. Call 822-2629.

## UBC REPORTS

### CALENDAR POLICY AND DEADLINES

The *UBC Reports* Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland.

Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310-6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1. Phone: UBC-INFO (822-4636). Fax: 822-2684. An electronic form is available at <http://www.publicaffairs.ubc.ca>. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the Oct. 14 issue of *UBC Reports* — which covers the period Oct. 17 to Oct. 30 — is noon, Oct. 4.

# Calendar

## October 3 through October 16

### Seminar

Legal Issues For The Construction Industry. Various lawyers from Bull Housser & Tupper. CEME 1204 from 6:30-9:30pm. Continues to Dec. 1. \$500. Call 822-1884.

### Continuing Studies Public Lecture

Great Gardens Of Europe And The Northwest. Ron Rule. Lasserre 107 from 7:30-9pm. Continues to Nov. 17. \$67, seniors \$62. Call 822-1420.

### Thursday, Oct. 14

### Continuing Studies Public Lecture

International Scene. Various speakers. Vancouver Public Library (downtown), Peter Kaye Room from 12noon-1:30pm. Continues to Nov 25. \$67, seniors \$62. Call 822-1420.

### Interdisciplinary Graduate Lecture

Unsettling Potential In Interdisciplinary Research. Marilyn Iwama. Green College from 12:30-1:30pm. Call 822-0954.

### Institute For European Studies

New Politics For New Times: Transformations Of The Left In Europe Since The Sixties. Prof. Geoffrey Eley, U of Michigan. Buchanan Penthouse at 12:30pm. Refreshments at 12noon. Call 822-1452.

### Green College Special Lecture

Earthquake Preparedness: A Practical Guide. Pamela Rydings, Health, Safety and Environment. Green College at 5pm. Call 822-1878.

### The University Women's Club Of Vancouver

Prospective Members Night. University Women's Club, 1489 McRae Ave., from 7-9pm. Call 731-4661 or e-mail uwcvanc@bc.sympatico.ca.

### Cecil and Ida Green Visiting Professor Fireside Chat

Between Social History And Cultural Studies: The Practice Of The Historian At The End Of The 20th Century. Prof. Geoffrey Eley, U of Michigan. Green College Graham House at 7:30pm.

### Friday, Oct. 15

#### HCEP Rounds

Evaluation Of A Community-Based Medication Education Program For Seniors. Dr. Patrick McGowan, Institute of Health Promotion Research. Mather 253 from 9-10am. Call 822-2772.

#### Pediatric Grand Rounds

1998 Adolescent Health Survey Highlights. Dr. Roger Tonkin and Dr. Jorge Pinzon. GF Strong Aud., from 9-10am. Call 875-2307.

#### Occupational Hygiene Program Seminar Series

Determinates Of Exposure To Metal Working Fluids In B.C. Machine Shops. Andrew Ross, MSc candidate. UBC Hosp., Koerner Pavilion G-279 from 12:30-1:30pm. Call 822-3073.

#### Jewish Studies Lecture

No Ivory Tower: The Impact Of Women's Studies On Academia And Israeli Society. Alice Shalvi, Schechter Institute of Jewish Studies. Buchanan D-239 at 12:30pm. Call 822-2889.

### History/Women's Studies Seminar

TBA. Prof. Regina Morantz-Sanchez, U of Michigan. Women's Studies Centre seminar room at 12:30pm. Call 822-5675.

### Pharmaceutical Sciences Seminar

Effects Of Vanadium On Carbohydrate Metabolism In Rats. Askar Mohammad. Cunningham 160 from 12:30-1:30pm. Call 822-7795.

### Centre For Japanese Research Seminar

Is Japan Decentralized?: The Perceptual Gap Between Public Finance And Political Science. Prof.

Andre DeWit. CK Choi 120 from 12:30-2pm. Call 822-2629.

### Weekly Seminar

Effects Of Resins/Asphaltenes Ratio On Heat Exchanger Fouling Of Heavy-Oil-Containing Mixtures. Eman Al-Atar, MASC candidate. ChemEng 206 at 3:30pm. Call 822-3238.

### Genetics Graduate Program Seminar

Genetics And Behaviour: Engineering A 'Fierce' Mouse. Elizabeth Simpson, Centre for Molecular Medicine And Therapeutics. Graduate Student Centre ballroom at 7:15pm. Refreshments. Call 822-8764.

### UBC @ The Chan

UBC Symphony Orchestra And The VSO. Georg Tintner, guest conductor. Chan Centre at 8pm. Tickets at Ticketmaster or the Chan Box Office. Call 822-5574.

### Conference

Tenth Annual Pacific Northwest Music Graduate Student Conference. Green College. Continues to Oct. 17. E-mail Laurel Parsons at gparsons@radiant.net or call 929-2465.

### Saturday, Oct. 16

#### Continuing Studies Writing Workshop

The Adventure Of Writing For Young People. Joan Weir, author. Carr Hall conference room from 9am-4pm. \$75. Call 822-1420.

#### Vancouver Institute Lecture

History And Cinema: Imagining Britain's Past. Prof. Geoffrey Eley, U of Michigan. IRC#2 at 8:15pm. Call 822-3131.

**Next calendar deadline: noon, Oct. 4**

## Notices

### Sexual Assault Research

The Anxiety and Fear Laboratory in the Dept. of Psychology requires female volunteers who have experienced unwanted sexual activity, to participate in a research project. If you have ever had sex with someone when you didn't want to, because the other person continued the event when you said no, forced or threatened to force you, or because you were given alcohol or drugs, and you would be interested in helping us with our research, please call 822-9028. Confidentiality and privacy protected.

### Beautiful Cut Flowers For Sale

Only \$3 per bunch on Fridays from 11am-1pm at the Horticultural Greenhouse. Call 822-3283.

### Research Study

EcoRisk Research Unit seeks non-students to participate in 'group decision making' experiments surrounding environmental issues. Workshops are on Mondays and Wednesdays from 4:30-6:30pm in October. Call 822-0551.

### Research Study

EcoRisk Research unit is seeking UBC staff members to volunteer for a research study investigating public perceptions about the benefits and risks of space exploration. A booklet and questionnaire will be campus-mailed to you to

complete at your convenience. Call Joseph 822-9261.

### Museum Of Anthropology Exhibition

Objects Of Intrigue. Continues to March 31. A Break In The Ice: Inuit Prints From The Linda J. Lemmens Collection. Continues to Feb 2. Attributed to Edenshaw: Identifying The Hand Of The Artist. Continues to Feb. 13. Lamps From The Greek And Roman World. Continues to Dec. 5. Three Case Studies. Northwest Coast Art. Continues to Aug. 31. Unity Quilt. Continues to Dec. 31. Free to UBC students, staff, faculty. Web site: www.moa.ubc.ca or call 822-5087 or 822-5950.

### Child Behaviour Research

How do parents see challenging child behaviours? We are asking parents of 7 to 14-year-olds to tell us by completing an anonymous, 30-minute questionnaire. You can receive the results. Please call Assoc. Prof. Charlotte Johnston's lab, 822-9037.

### UBC Zen Society

Zazen (sitting meditation) each Monday (except holidays) from 1:30-2:20pm while classes in session. Asian Centre Tea Gallery. All are welcome. Call 822-2573.

### Bike Workshop

Free bike care clinic with Jason Addy, master bike mechanic. SUB loading dock Rm. 41, every Wednesday from 6-7pm. Call 822-BIKE.

### Bike Repair Party

Help repair and paint public bikes and learn as you go. MacMillan (SW corner), every Tuesday from 4-8pm. Call 822-4566.

### Vancouver Team Handball

Looking for players at all levels. Osborne Gym, Fridays from 7-9pm. Call 222-2074 or visit handball-bc.hypermart.net.

### TRIUMF Public Tours

Tours are available every Wednesday and Friday to April 28 from 1-2:15pm. Group tours may be arranged by calling the TRIUMF Information Office 222-7355.

### Research Study

We are seeking healthy 8- to 12-year-olds and their mothers to take part in a psychology study to find out more about how children learn about hurts and pains. For more information, call Prof. Ken Craig's lab 822-5280.

### UBC Campus Tours

Walking tours of the campus available upon request. E-mail melissa.picher@ubc.ca or call the Ceremonies Office at 822-0949 to book a time.

### School of Nursing Fall Institute Registration

Institute Leader: Prof. Ann Hilton. Nov. 5-7. Early registration (before Oct. 15): \$195, students: \$325, regular. After Oct. 15: \$245, students: \$375, regular. Call 822-7453

or e-mail onr@nursing.ubc.ca for more information or to register.

### Studies In Hearing and Communication

Senior (65 years or older) and junior (18-35) volunteers needed. If your first language is English and your hearing is relatively good, we need your participation in studies examining hearing and communication abilities. All studies take place at UBC. Hearing screened. Honorarium. Please call the Hearing Lab, 822-9474.

### AMS Rentsline

This service gives students access to hundreds of rental listings, and landlords access to thousands of students looking for housing. You can call the Rentsline from any touch-tone phone 24 hours a day. 365 days a year. Call 714-4848.

### Pride UBC Alumni Search

Out In The Millennium: Celebrating 20 years Of Outweek (1980-2000). This event is for our current GLBT members and alumni, as well as our friends and allies. Call Amar (co-chair) 222-3542.

### Gardens Open

The Nitobe Memorial Garden, UBC Botanical Garden and Shop in the Garden will be open until Oct. 11 (inclusive) from 10am-6pm daily (including weekends). For the gardens call 822-9666 and the Shop 822-4529.

## Conceptual Physics - a summer workshop In Burnaby July 4 - 14 , 2000

### This workshop ...

... will provide teachers with first hand experience learning conceptual physics from Paul G. Hewitt, author of the textbook, *Conceptual Physics*.

### The workshop format ...

... will consist of morning lectures, workshop sessions, computer simulations, classroom activities and laboratory exercises.

### Topics will include ...

... kinematics, dynamics, conservation laws, gravity, rotation and special relativity, heat, light and optics, electricity and magnetism, radioactivity and nuclear physics.

### Need more information?

Contact the Office of Continuing Professional Education

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Toll-free (BC only): 1-888-492-1122

Fax: (604) 822-2015

E-mail: ocpe.educ@ubc.ca

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## THE CECIL H. AND IDA GREEN VISITING PROFESSORSHIPS OF GREEN COLLEGE



2000-2001 and Subsequent Years

Nominations are invited for the position of Cecil H. and Ida Green Visiting Professor. The main criteria for selection are the proposed visitor's distinction, public speaking ability and appeal to a broad spectrum of student, faculty and off-campus audiences. Performing artists may also be nominated. The visits are usually for one concentrated week during February, March, October or November and require a substantial commitment of time from a faculty coordinator. Permanent deadlines: February 15 and October 31, but nominations are accepted at any time for the next competition.


For detailed terms and procedures, contact Rosanne Rumley at Green College, 6201 Cecil Green Park Road, Campus Zone 1 or [vsp@interchange.ubc.ca](mailto:vsp@interchange.ubc.ca) or fax to 822-8742.

# News Digest

Vancouver's Downtown South Community Health Centre, an interdisciplinary resource serving 3,000 clients a year and a training site for residents and undergraduates, has been awarded the 1999 John F. McCreary Interdisciplinary Team Prize.

The centre, opened in 1995, has 25 professionals on staff, including psychiatric nurses, alcohol and drug counsellors and physicians who treat clients with health issues such as addictions, poverty, mental illness and HIV/AIDS.

The award is given annually by UBC's Office of the Co-ordinator of Health Sciences for the best example of a B.C. health-care initiative that demonstrates innovative co-operation between three or more health-care disciplines.



## Writing Centre

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- Writing for Film and Television

**Daytime, evening and weekend courses begin the week of October 11.**

**Information: 822-9564**  
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# Classified

The classified advertising rate is \$16.50 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Public Affairs Office, 310 - 6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1, accompanied by payment in cash, cheque (made out to UBC Reports) or journal voucher. Advertising enquiries: UBC-INFO (822-4636).

The deadline for the Oct. 14 issue of UBC Reports is noon, Oct. 4.

### Accommodation

**POINT GREY GUEST HOUSE** A perfect spot to reserve accommodation for guest lecturers or other university members who visit throughout the year. Close to UBC and other Vancouver attractions, a tasteful representation of our city and of UBC. 4103 W. 10th Ave., Vancouver, BC, V6R 2H2. Call or fax 222-4104.

**TINA'S GUEST HOUSE** Elegant accommodation in Point Grey area. Min. to UBC. On main bus routes. Close to shops and restaurants. Includes TV, tea and coffee making, private phone/fridge. Weekly rates available. Call 222-3461. Fax: 222-9279.

**GREEN COLLEGE GUEST HOUSE** Five suites available for academic visitors to UBC only. Guests dine with residents and enjoy college life. Daily rate \$56 plus \$14/day for meals Sun-Thurs. Call 822-8660 for more information and availability.

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**PENNY FARTHING INN** 2855 West 6th. Heritage house, antiques, wood floors, original stained glass. 10 min. to UBC and downtown. Two blocks from restaurants, buses. Scrumptious full breakfasts. Entertaining cats. Views. Phones in rooms. E-mail: [fartthing@uniserve.com](mailto:fartthing@uniserve.com) or call 739-9002.

**B & B BY LOCARNO BEACH** Walk to UBC along the ocean. Quiet exclusive neighborhood. Near buses and restaurants. Comfortable rooms with TV and private bath. Full breakfast. Reasonable rates. Non-smokers only please. Call 341-4975.

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**ST. JOHN'S COLLEGE GUEST ROOMS** Private rooms, located on campus, available for visitors attending UBC on academic business. Private bathroom, double beds, telephone, television, fridge, and meals five days per week. Competitive rates. Call for information and availability 822-8788.

**ALMA BEACH B & B** Beautiful, immaculate, bright rooms with ensuite in elegant, spacious home. Two blocks to Jericho Beach/Vancouver Yacht Club. Gourmet breakfast. Central location to downtown/UBC. N/S. Call 221-1950.

### Accommodation

**THOMAS GUEST HOUSE** 2395 W. 18th Ave. Visitors and students of UBC are most welcome. 15 min. to UBC or downtown by bus. Close to restaurants and shops. Daily rates from \$50 to \$100. Please call and check it out at 737-2687.

**TRIUMF HOUSE** Guest house with homey, comfortable environment for visitors to UBC and hospital. Located near the hospital. Rates \$40-\$65/night and weekly rates. E-mail: [housing@triumf.ca](mailto:housing@triumf.ca) or call 222-1062.

**ENGLISH COUNTRY GARDEN B & B.** Warm hospitality awaits you at this centrally located viewhome. Large rooms with private baths, TV, phones, tea/coffee, fridge. Full breakfast, close to UBC, downtown, and bus routes. 3466 W. 15 Ave. Call 737-2526 or fax 727-2750.

**NOVEMBER ONLY, SPACIOUS** furnished waterfront 3 BR, 2 bath, apartment, indoor pool, exercise room, on bus routes, 20 min. to UBC, walk to central library, ferry to Granville Island. N/S. \$1800. [gjbullen@bc.sympatico.ca](mailto:gjbullen@bc.sympatico.ca). 264-9022.

**CHARMING, BRIGHT, FURNISHED,** loft BR chalet/apartment overlooking garden. Prime South Granville location. Private Entrance, parking, or direct UBC bus. \$750/mo., utilities and cable included. No smokers or pets please. Call 261-7153.

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### Services

**TRAVEL-TEACH ENGLISH** 5 day/40 hr. Oct. 27-31. TESOL teacher certification course (or by correspondence). 1,000s of jobs available NOW. FREE information package, toll free (888) 270-2941 or (403) 438-5704.

**RETIRING** in the next three years? As a specialist who has assisted many UBC faculty and staff members through the retirement process I can help sort out the options and provide you with free retirement projections. Call for a complimentary meeting at my office or yours! Don Proteau, B.Comm. CFP, RFP. E-mail: [dproteau@hlp.fpc.ca](mailto:dproteau@hlp.fpc.ca) or call 687-7526.

**UNIVERSITY DRY CLEANERS.** Dry cleaning, dressmaking, alterations and repairs available at University Dry Cleaners located at UBC Village. 105-5728 University Blvd. 228-9414.

**Next deadline:**  
noon, Oct. 4



## Newsbits

Want to keep up-to-date on what's happening in information technology at UBC and around the world? Subscribe to Newsbits, the free, monthly e-mail newsletter from UBC's ITServices department.



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## Alan Donald, Ph.D. Biostatistical Consultant

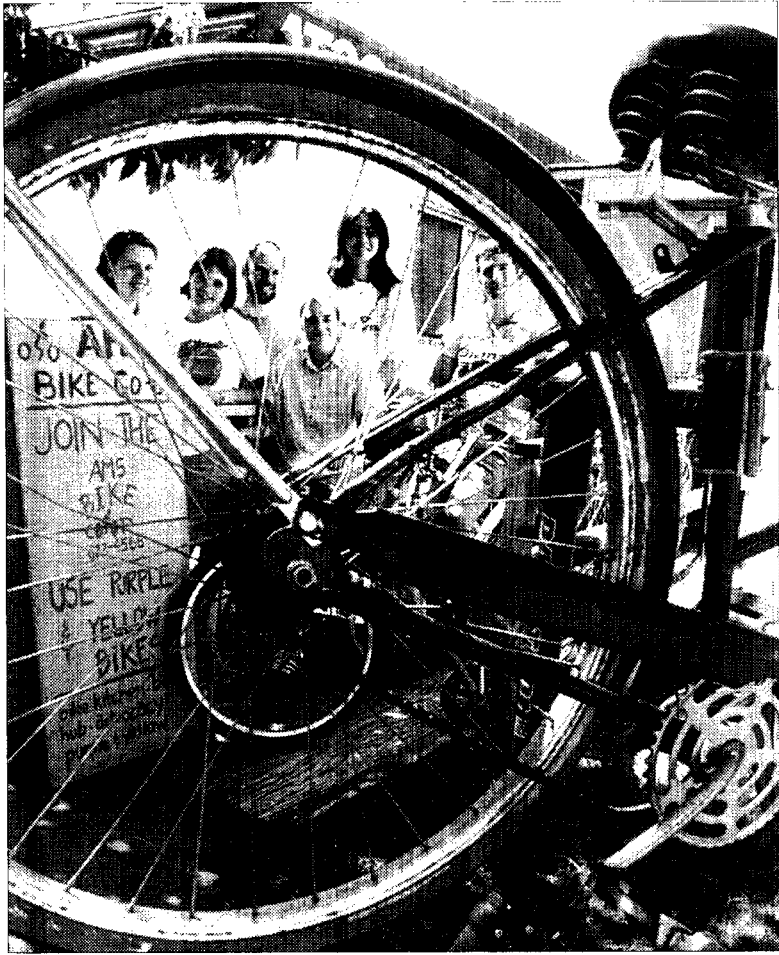
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Hilary Thomson photo

A new resource centre operated by the UBC Bike Co-op provides space for bicycle commuters to learn how to fix their bikes. Called the Bike Hub, the centre is located in a portable behind the MacMillan Building. Among the 200 members of the co-op are (l-r) Karina Verhoeven, fourth-year Landscape Architecture, Gillian Allan, third-year Creative Writing, Co-op president and graduate student Ted Buehler, Community and Regional Planning, high-school student Brigitte Rocket, James Zhu, second-year Science and John Schreiber, fourth-year History.

## Economist to push borders of studies

"Canada, like any other country, is best understood in comparison with others," says UBC Economics Prof. John Helliwell. Helliwell has been appointed to UBC's Brenda and David McLean Chair in Canadian Studies for 1999-2001, one of few such endowed chairs in the country.

"I see my international and Canada-related research to be tightly and beneficially linked," he says.

English Assoc. Prof. Richard Cavell, chair of Canadian Studies, says the appointment is an important step in the evolution of such programs, which sprang up on Canadian campuses in the 1960s when many in the country worried that Canada was getting short shrift on university curricula.

"Canadian Studies are now an international phenomenon, with some 235 programs around the world," he says. "The result has been an increasingly global perspective on Canadian issues."

Helliwell has earned an international reputation for research on national and international macro-economics, especially for his comparative empirical studies of economic growth. His recent research topics have included the effects of democracy

on economic growth and social capital and the brain drain, including a study of where all UBC's graduates are living.

His most recent publication, *How Much Do National Borders Matter?* earned the Doug Purvis Memorial Prize for the best work on Canadian economic policy published during the year.

The McLean family, which endowed the chair in 1992, feels more time should be devoted to

Canadian Studies at universities.

"We fundamentally believe that an Arts education provides an important grounding in life," says David McLean.

Canadian Studies at UBC co-ordinates approximately 100 Canadian content courses across the Faculty of Arts, as

well as two dedicated courses, one in Canadian Cultural Studies and a fourth-year seminar taught by the McLean chair.

The McLean family's endowment supports the research and teaching of the incumbent for two years as well as a UBC Press publication series consisting of lectures given at the end of the chair's two-year tenure. It also supports the major and minor program in Canadian Studies and a popular speakers' program.



Helliwell

## Hub of activity wheels into life

The UBC Bike Co-op is doing a lot more than just spinning its wheels.

The Bike Hub is UBC's new bicycle resources centre and the latest addition to the co-op's campus cycling services.

Located in 81 square metres in a portable behind the MacMillan Building, the centre features public shop space, a training facility, lock grinding services and a work area to reconstruct bikes for the co-op's fleet of purple and yellow bikes.

"I never expected the program to be successful in so many ways," says Ted Buehler, president of the co-op and a PhD student in the School of Community and Regional Planning. The new space — donated by Agricultural Sciences Dean Moura Quayle — has boosted the co-op's ability to serve UBC bike users, he says.

Current projects at the Hub — which has two full-time employees — include developing a UBC cycling map to be distributed to students in residence and designing a campus greenway for walkers and cyclists.

Also proposed is a day-care centre where commuters can drop off their bikes for secure storage, stash their gear, shower and change for work or classes.

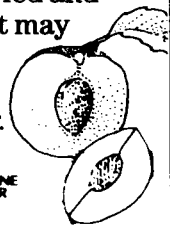
Other services offered by the co-op, an AMS club with 200 members, include the Bike Kitchen — a bike repair shop open to the campus community and the public — and a fleet of 120 purple and yellow bikes that co-op members can use to travel across campus.

The co-op has also launched Bike Repair 101, a program offering both one-hour bike care clinics and one-day bike mechanic certification courses. The UBC TREK office, which supports sustainable transportation alternatives on campus, sponsors the program.

The Bike Hub is located at 6357 Agronomy Rd. and is open Monday to Friday from 10 a.m. to 6 p.m. For more information on becoming a co-op member or volunteer call (604) 822-BIKE or visit the Web site at [www.ams.ubc.ca/clubs/bikecoop/](http://www.ams.ubc.ca/clubs/bikecoop/).

### CANCER PREVENTION You Can Have A Hand In It

The Canadian Cancer Society says that a well-balanced, varied and moderate diet may protect you against the risk of cancer.



## People

by staff writers

**Martin Hollenberg**, professor emeritus of Anatomy and former dean of Medicine, has been appointed UBC co-ordinator for the Canadian Institutes of Health Research (CIHR) within the Office of the Vice-President, Research.

Hollenberg will co-ordinate and stimulate efforts of health researchers at UBC and affiliated hospitals to maximize the research opportunities presented by the impending formation of the CIHR.

The CIHR's budget for health-related research is expected to nearly double that currently available through the Medical Research Council of Canada (MRC). The MRC will be replaced by the CIHR next year.

Hollenberg joined UBC's Faculty of Medicine in 1971 and served as its dean from 1990-96.



**Metals and Materials Engineering Prof. Indira Samarasekera** has been appointed the UBC co-ordinator for the Canada Foundation for Innovation (CFI), the \$1-billion fund designed to help universi-

ties, colleges and hospitals upgrade their research facilities.

Samarasekera will assist UBC researchers in preparing funding applications. UBC has been successful in attracting more than \$22 million from CFI in the first year of funding.

Director of the Centre for Metallurgical Process Engineering, Samarasekera has been a faculty member since 1980. She has been a member of the National Research Council of Canada since 1996 and is a fellow of the Royal Society of Canada and the Canadian Academy of Engineering.



Samarasekera



**Frederick Pritchard** has been named UBC's director of planning.

Pritchard, formerly the planning manager for the City of Kelowna, will advise and support the associate vice-president, Land and Building Services, on issues such as campus development, academic space planning and capital projects.

Pritchard will also be responsible for forging and maintaining close ties with the City of Vancouver, the Greater Vancouver Regional District, the provincial government, UBC Properties Inc. and others with an interest in UBC's campus.



**Richard Kerekes**, director of the Pulp and Paper Centre, has been awarded the 1999 John S. Bates Memorial Gold Medal for long-term contributions to the science and technology of the pulp and paper industry.

The medal is the highest recognition given to a member of the Pulp and Paper Technical Association of Canada.

Founder and director of the UBC Pulp and Paper Centre since 1983, Kerekes also established UBC's Pulp and Paper Master of Engineering program and recently led the development of a new advanced papermaking initiative for the province.



The Centre for Research in Women's Studies and Gender Relations has awarded three one-term teaching releases to **Dianne Newell**, **Becki Ross** and **Patricia Badir** for this academic year.

This fall, Newell, a professor of history, is using the term to do research in feminist science fiction while Ross, an associate professor of Women's Studies and Sociology, is investigating the sub-culture of erotic entertainment in post-war Vancouver. In January, Badir, an assistant professor in the English Dept., will use the term to edit and produce a play by early Canadian dramatist Marjorie Pickthall.

The Centre provides funding for the selected scholar's department to hire sessional lectures to cover their teaching during the term. The deadline for applications for the 2000-2001 selection is Nov. 15.

## Profile

# Taking a big bite out of life

"Do something different each day," says Assoc. Prof. Lance Rucker

by Hilary Thomson

Staff writer

To say that Lance Rucker is a Renaissance man is to flirt dangerously with understatement.

An associate professor of Dentistry, Rucker is also an inventor of ergonomic equipment, a championship ballroom dancer, actor, novelist, playwright, sailor, violinist and martial arts student.

He has been a skydiver, professional horse trainer and pistol and rifle marksman. He also speaks three languages other than English.

"I think it's critically important to do something different each day and to start something at which you are a beginner every couple of months," says Rucker. "It's important to be a beginner if you wish to thrive in living and particularly if you wish to be a good mentor and teacher."

Originally from Kentucky, Rucker has been a faculty member since 1983.

After obtaining an undergraduate Arts degree, Rucker pursued dentistry because it satisfied many of his needs for flexibility, versatility, independence and a fusion of science and art.

His specialties include performance simulation, clinical ergonomics and surgical magnification.

"Performing microsurgery in a small cavity — often working in reverse and using mirrors — can lead to imbalanced posture and repetitive strain injuries," says Rucker, who is director of clinical simulation in the faculty.

Repetitive strain injury, often affecting the back and neck, has been recognized as a problem for dentists, hygienists and assistants since the early 1960s. With changing work patterns such as entire workdays spent in repetitive fine motor tasks such as keyboarding, the condition is becoming increasingly common and is receiving international attention.

It's estimated that about 60 per cent of North American dentists suffer with low back pain each year. On average every clinician misses one to two days of work annually for muscle or skeletal problems related to work posture, says Rucker.

In addition to teaching students healthy ergonomic practices in clinical simulations, Rucker acts as a consultant to professionals who have suffered strains and need advice about minimizing further risk of injury. He also advises insurance companies in evaluating claims for work-related disability arising from dental practice.

His interest in ergonomically correct work practices and equipment led him to design the "ErgoLogic." It's an ergonomic computer keyboard that is split into two sections that form an inverted V-shape which the user can adjust to the most comfortable angle.

Rucker patented and co-developed the keyboard with North America's largest keyboard manufacturer. About 15,000 of the boards have been sold worldwide since 1994.

Surgical telescopes present another ergonomic challenge for Rucker, who is head of the faculty's interdisciplinary Surgical Telescope Evaluation Project.



Hilary Thomson photo

**A need for flexibility, versatility, independence and a fusion of science and art led Assoc. Prof. Lance Rucker to study dentistry after completing an Arts degree. Named UBC Dental Educator of the Year in 1992, he also finds time to write, act and invent ergonomic devices.**

Ultrafine motor tasks performed by dentists require the use of surgical telescopes that look like mini-binoculars attached to a pair of eyeglasses.

The angle of the telescope, or declination, in relation to the dentist's eyes and the work being done is critical. If the angle is incorrect, the wearer often compensates by holding the head and neck in an awkward position or straining the eyes.

Rucker developed a declination gauge that allows the wearer to get the best postural and optical balance. The gauge was produced by a surgical telescope manufacturer and 400 dentists in B.C., most faculty members and all incoming UBC dental students now work with customized declination surgical telescopes.

"I revel in the support I have received from UBC," says Rucker. "No matter what strange places my creativity and scholarly activities have led me, the university has always backed me up."

Perhaps the most innovative project yet is the Clinical and Surgical Computer Interface. Rucker is one of the UBC co-founders.

The project aims to develop a head-mounted computer device that allows for

hands-free access to computerized records and images and control of equipment and hardware.

Called Surgical Telescope Augmented Reality (STAR), the device uses voice-activated input and output that allows the practitioner to work without the necessary but clinically disrupting and distracting activities of note-taking, record-keeping and getting and viewing X-rays.

"STAR will boost ergonomic capability greatly, it makes treatment safe for both dentists and patients and it also has an enormous commercial potential," says Rucker. "All microsurgeons would benefit from this device — everyone from cardiovascular and neurosurgeons to ophthalmologists."

Rucker and the STAR team have worked with the Faculty Development Office and the University-Industry Liaison Office to expedite the product's development via a private company.

"Dentistry has undergone incredible changes since I began in the profession," says Rucker. "Ironically, in spite of revolutionary developments in biomaterials and instrumentation, most dentists continue to work for their equipment rather

than making their equipment work for them."

Rucker credits UBC's relatively small and flexible faculty as being a key factor in UBC dominating change in North American dental schools.

In addition to introductory ergonomics and clinical simulation Rucker teaches performance logic, peak performance training, restorative dentistry and clinical hypnosis.

"Hypnosis is about finding the body/mind balance. We use it to help patients relax or to reduce or stop specific responses such as gagging or hypersalivation," says Rucker. "It has been accepted in clinical dental practice in North America since the mid-1950s and has been a standard part of UBC dental curriculum since the early 1980s."

Named UBC Dental Educator of the Year in 1992, Rucker is also a lifetime member of the Research Education and Action for Community Health (REACH) Centre Association in recognition of his role redesigning the REACH Dental Clinic.

REACH is the base for a program where supervised UBC dental students provide free dental care at the Downtown Eastside clinic.

These professional accomplishments are balanced with Rucker's varied personal interests and achievements.

A creative writer since childhood, Rucker says writing is an obsession for him. He has written four novels, three screenplays, several hundred poems and two collections of short prose pieces.

He is currently co-authoring a book with his wife who is a sexual and marital therapist. Called *Love in the Fourth Dimension and Beyond*, the book describes eleven dimensions of loving, sexuality and intimacy.

But writing is not Rucker's only form of self-expression. He and his wife are ballroom dancers. In addition, he has acted since his days as a university student. His recent entry into the local television film industry has landed him roles ranging from FBI agent in the top-rated X-Files to criminal mastermind.

Another outlet for Rucker, both physical and philosophical, is the martial art of Aikido which he has studied for 12 years.

"It's a quiet and an intensely powerful art. I see it as a dynamic expression of harmony and balance in the universe," he says. "It's also a lot of fun."

So what's the secret to becoming a 20th-century Renaissance man?

"Each day should contain five elements: read something, write something, get in touch with thoughts and feelings, do something physical and do something creative."

This openness to learning and discovery is reinforced by an Aikido tradition, says Rucker.

"The instructor begins each practice by saying 'onegaishimasu' which means 'please help me or please teach me.' I like to conduct my university teaching and my life in the same spirit."