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Comics in the classroom? Maybe, says educator

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Prof. Mary Ensom's the one with the questions

ubc reports
THE UNIVERSITY OF BRITISH COLUMBIA

THIS SUDS' FOR YOU Polishing their technique for the upcoming Continuing Studies car wash Thursday, Oct. 19 are (left) Gillian Heninger, program assistant and Margaret Landstrom, director of Advanced Studies. The fundraiser is one of many fun-filled events which will be staged by faculty, staff and students during UBC's United Way Campaign, Oct. 16-27. "We wanted everyone in Continuing Studies to have an opportunity to roll up their sleeves and get actively involved," say Landstrom, one of the campus United Way co-ordinators. To volunteer for the campaign, or for more information, call (604) 822-8929. *Bruce Mason photo*

United—the only way to go

The United Way campaign is all about helping others

by Bruce Mason staff writer

YOU ARE NEVER TOO BUSY to take part in the United Way, say organizers of UBC's campus campaign. And it's never been easier to get involved.

"The main campaign will run from Oct. 16-27," says Bill McMichael, program co-ordinator with the UBC-Ritsumeikan Academic Exchange Program and UBC campaign chair. "But there will be a number of related events occurring before and after, including car washes, contests and competitions, pancake breakfasts and bake sales. And many more events like these are in the works."

Organizers are hoping to raise more than $300,000 at UBC. They also hope to contribute to building a stronger sense of community at the university during the campaign.

Pledge cards will be mailed out next week.

"It's vital that all parts of the community work together to help those in need," says UBC President Martha Piper, who is serving as chair this year of the education division of the provincial United Way campaign.

"Whatever our job or profession, we need to accept the responsibility of helping others less fortunate than ourselves, and through our contributions to United Way we can make a huge difference in people's lives," says Piper, who has volunteered to chair the Lower Mainland campaign next year.

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

UBC has the largest employee campaign in the Lower Mainland.

UBC faculty and staff have the option of supporting individual UBC faculty or department initiatives as well as any of the areas outlined in the Trek 2000 vision document through the United Way.

Initiatives include student scholarships and innovative learning opportunities. One hundred per cent of the contribution will go to the area specified on the form.

The winner of this year's raffle will win airfare to anywhere in North America. Tickets can be purchased for two dollars from any UBC United Way representative.

To volunteer for the campus campaign or for more information visit the Web site at www.unitedway.ubc.ca or call (604) 822-8929.

Professor named dean of Forestry

Former head of Wood Science Dept. plans to build community links

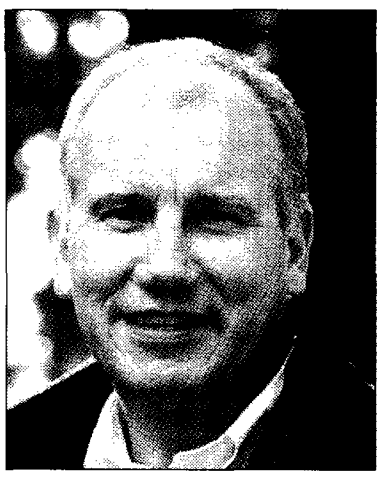
PROF. JACK SADDLER, head of the Dept. of Wood Science, has been appointed dean of the Faculty of Forestry effective Dec. 1.

"I think UBC's Faculty of Forestry is one of the strongest in the world," says Saddler. "We have to build on the university's commitment to enriching the already high quality of our research and scholarly activity.

"The faculty will continue to build on both disciplinary and interdisciplinary activity within the university while forging new relationships with industry and the community," he says.

"Jack will provide outstanding leadership to a faculty that must continue to play a critical role in the evolution of forest practices and in increasing society's appreciation for the multiple uses and demands on our forests," says Barry McBride, UBC vice-president, Academic. "He brings an international research reputation and excellent administrative skills."

Saddler has served as head of Wood Science since 1998. He also holds the Natural Sciences and Engineering Research Council (NSERC)-Industry Chair of Forest Products Biotechnology.



New Forestry Dean Jack Saddler

He has held positions in the public sector, academia and private industry where he has been involved in science, natural resources, industry and trade, policy and foreign affairs, developing major strategic initiatives at the regional, national and international levels. He joined UBC as a professor of Forestry in 1990.

As a researcher, Saddler has gained recognition for his work in the application of micro-organisms and enzymes in the forest products sector. His main interest is the conversion of wood and for-

see Forestry page 2

Biologists earn top U.S. awards

Innovative research zeros in on deadly diseases

by Hilary Thomson staff writer

MAJOR EPIDEMICS like bubonic plague may be wiped out, but have we really won the war on deadly bacterial diseases?

Brett Finlay and Natalie Strynadka don't think so.

The two UBC molecular biologists were recently granted prestigious Howard Hughes Medical Institute (HHMI) International Research Scholar awards for their work in the area of infectious and parasitic diseases.

"This funding gives us significant freedom and flexibility to follow exciting leads in our research," says Finlay, a professor of Biotechnology and a previous recipient of the HHMI International Research Scholar award.

Asst. Prof. Natalie Strynadka

Prof. Brett Finlay

"It also allows us to hire outstanding trainees on short notice while they apply for funding at traditional agencies."

The awards, which total $15 million US, were given to 45 scientists in 20 countries outside the United States to develop new approaches to overcome malaria, tuberculosis and

see Hughes page 2

Hughes awards

Continued from page 1
other infectious and parasitic diseases.

Both Finlay and Strynadka will receive $450,000 US over five years. They have been selected for the awards on the basis of their accomplishments, potential and research plans.

Strynadka is an assistant professor of Biochemistry and Molecular Biology who investigates the mechanisms of antibiotic resistance and the design of new antibiotic drugs.

Using three-dimensional computer modelling and other techniques, Strynadka designs inhibitors which interact with and disable essential proteins within the bacterial membrane. The knowledge could lead to new classes of antibiotics.

"This award allows me to undertake more challenging research that characterizes the molecular structures of bacterial membrane proteins as potential new targets for antibiotics," says Strynadka, a faculty member since 1997 and an associate member in UBC's Biotechnology Laboratory where Finlay also does his research.

Finlay looks at the mechanism of bacterial diseases such as salmonella and dysentery and E. coli which results from eating undercooked ground beef products or drinking unpasteurized juice and milk.

Finlay and his research team discovered that E. coli bacteria insert a soluble bacterial protein into the host cell membrane that allows them to adhere to the intestine.

"We want to block the bacterium's ability to operate in the body," says Finlay, who hopes to alter or mutate the protein molecule so that the infection process is stopped.

Infectious diseases are the third leading cause of death in Canada and the leading cause of death worldwide, adds Finlay, who is also a professor of Biochemistry and Molecular Biology and Microbiology and Immunology.

Additional collaboration between the two researchers has recently determined the three-dimensional structures of the surface proteins that allow the E. coli bacterium to bind to the receptor on host cells. This information may contribute to the development of drugs designed to block bacteria adhering to cells.

Bacterial resistance to standard antibiotic therapies is a growing health concern around the globe, Strynadka says, and doctors have identified certain infections that are essentially untreatable.

The HHMI international program, launched in 1991, supports international research scholars who have contributed significantly to the understanding of basic biological processes or disease mechanisms and who are still in the early stages of their careers.

Forestry dean

Continued from page 1
estry residues into ethanol to serve as an alternative fuel source to gasoline. He has conducted extensive research on alternative methods of bleaching pulp, modifying and enhancing paper and fibre products and treatment of wastewater streams and holds a number of patents in these areas.

Saddler has garnered numerous awards, among them the International Union of Forestry Research Organizations' Scientific Achievement Award in 1996 and the Charles D. Scott Award for Scientific-Technical Contributions to Biotechnology in 1998.

He will take over from acting dean John McLean.

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Published twice monthly (monthly in December, May, June, July and August) by:
UBC Public Affairs Office
310 - 6251 Cecil Green Park Road
Vancouver BC, V6T 1Z1.

Tel: (604) UBC-info (822-4636)
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Website: www.publicaffairs.ubc.ca

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PUBLICATIONS MAIL AGREEMENT NUMBER 1689851

John F. McCreary Lecture

Bonnie Sherr Klein

"The Art of Disability"

Wednesday, Oct. 11, 2000

12:30-1:20 p.m.

Woodward IRC#1

Canadian documentary filmmaker, Bonnie Sherr Klein, was at the top of her profession in 1987 when she suffered two catastrophic strokes. Her prize-winning book, *Slow Dance*, chronicles her long and agonizing fight to get back to 'normal' and the adjustments she and her family have made for her disability. This candid and deeply moving book is a testament of a courageous woman and her loving family.

Ms. Klein is an outspoken advocate and educator for disability rights. She is actively involved in providing client feedback to the health professions in order to promote better health care and interprofessional understanding.

For further information please call the Office of the Coordinator of Health Sciences at 822-5571.

Wax - it

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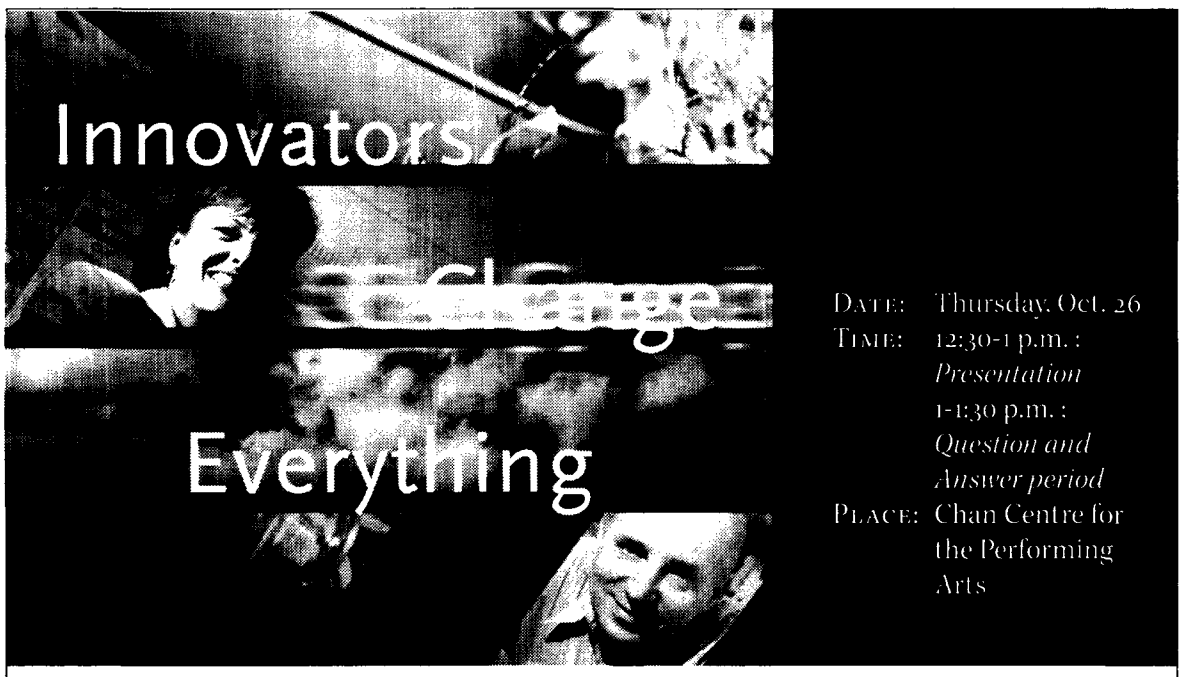

DATE: Thursday, Oct. 26
TIME: 12:30-1 p.m.: *Presentation*
1-1:30 p.m.: *Question and Answer period*
PLACE: Chan Centre for the Performing Arts

You are invited to join UBC President Martha Piper and the Board of Governors at UBC's third campus Annual General Meeting.

Come celebrate the UBC innovators who are contributing to the community at home and abroad, making positive changes on campus and creating new opportunities for students.

Learn more about UBC's innovators on-line at www.ubc.ca/annualreport

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Full-time faculty and staff 2000-2001 Blue and Gold card

Available: Student Recreation Centre (Monday - Friday, 9 A.M. - 5 P.M.)

The card provides the opportunity for a variety of valuable **discounts** in the activities and programs offered by the Dept. of **Athletics and Recreation**.

(Present UBC Library Card or UBC pay stub as proof of full-time employment)

APPLE TIME Horticulturalist Tony Maniezzo, in charge of UBC's Food Garden, does a little pruning in anticipation of one of the university's most popular events—the Friends of the Garden Apple Festival. The festival, which takes place Oct. 14-15 from 11 a.m. to 4 p.m. at the Botanical Garden, will feature more than 35 varieties of apples for buying, 50 for tasting and 40 varieties of trees. The varieties offered are normally not available commercially. Admission to the garden is free for the family event. A children's corner, live music and grafting and pressing demonstrations are featured. Pay parking is available in B7-lot, across from the garden, for $3 all day. Call (604) 822-3928 for more information. *Bruce Mason photo*

Health research seeks B.C. boost

Medical investigators have to "scrap for every penny," says researcher

B.C. RANKS SECOND TO LAST in Canada when it comes to providing funds to build and maintain health research capacity, say local organizers of Health Research Awareness Week (HRAW).

The group aims to improve that ranking with an awareness-raising campaign that takes place Oct. 10-13 and is part of a nationwide effort to build support for health research.

B.C. HRAW activities include a survey of B.C. residents' opinions about investing in provincial health research. Results will be revealed Tuesday, Oct. 11 at the B.C. HRAW kickoff event which includes a press conference and summit where participants will get an update on B.C.'s health research capacity and hear from two prominent health journalists about health research news coverage.

The B.C. campaign supports the efforts of the Coalition for Health Research in British Columbia. Aubrey Tingle, assistant dean of Research in the Faculty of Medicine, chairs the coalition that comprises research groups and voluntary organizations committed to increasing B.C.'s health research capacity. UBC's vice-president, Research, Indira Samarasekera is a member of the coalition's steering committee.

"Recent increases in federal funding for health research offer unprecedented opportunity," says Tingle. "However, to compete successfully for these grants, applicants must have trained people and infrastructure in place to do the research. The coalition is working hard to create that base but in the meantime lack of provincial support means our researchers and health system are losing out on some federal support."

The province's health research support organization, the B.C. Health Research Foundation (BCHRF), received only $3 million in funding last year from the provincial government. Alberta health researchers received more than $36 million from provincial sources while Quebec committed more than $50 million.

"BCHRF funding and provincial support from other sources such as the B.C. Knowledge Development Fund are very helpful for preliminary work before a request is made to a national agency and for building experience in clinical research," says Ric Spratley, acting associate vice-president, Research. "It helps us become more competitive at the national level, but more work needs to be done."

Dr. Stephanie Ensworth, a clinical assistant professor of Rheumatology, says that B.C. health researchers have to "scrap for every single penny."

Ensworth does clinical research on systemic auto-immune disorders such as lupus, a disease that affects one in 1,000 people and nine times more women than men. She is especially interested in how the disease affects young women and reproductivity.

"The health research environment here can be frustrating and while there are a few successes, overall it seems to be going downhill," says the UBC alumna who directs the lupus program at Vancouver's Mary Pack Arthritis Centre. "My clinical work supports my research which I try to fit into my spare time—on weeknights and weekends."

Although she has received some support from BCHRF, Ensworth says provincial funding can be inconsistent and she relies heavily on support from non-profit organizations such as the B.C. Lupus Society. Even financing basic research tools, such as a database program, is difficult.

For more information on HRAW activities, call (604) UBC-INFO (822-4636). For information on the Coalition for Health Research in British Columbia, visit the Web site at www.bchrf.org/coalition.

Scholar scans the comic side

Assoc. Prof. Bonny Norton finds there's more to Archie than meets the eye

by Bruce Mason staff writer

"YOU'RE WASTING YOUR TIME with that trash," every kid with a comic book has been told. So almost everyone is intrigued by Bonny Norton's research, including national media such as CBC's As It Happens and Newsworld, major newspapers and radio stations from Edmonton to Montreal.

The associate professor in the Dept. of Language and Literacy Education is studying why kids read comics and why parents and teachers should care. Not just any comic, but *Archie* comics. One million copies are sold every month, 30 per cent in Canada—the highest per capita readership internationally.

"Media ask how and why I got involved and what my colleagues at the university think," she says. "I reply that *Archie* comics open a window on contemporary preteen identity, gender, literacy practices and popular culture."

Norton conducted a 1998/99 study among 55 Grade 5, 6 and 7 students in a Vancouver elementary school. The group comprised 27 females and 28 males; 34 were *Archie* readers and 25 had a first language other than English.

"They remarked that adults seldom show such interest in their reading and they were consistently excited about sharing ideas and responses," she says.

Perhaps the most important finding was that diverse responses tended to cross gender lines. Girls and boys applauded strong female characters, but there was an overriding sense from both sexes that female strength can compromise the pursuit of romance and happiness.

Another interesting finding—*Archie* comics help children who have difficulty with English to become more involved.

"Kids are passionate about comics. They read them for fun, for the humour and safety of the *Archie* world and out of curiosity about their future," Norton reports. "Many parents and teachers are ambivalent, but children quickly learn the differences between 'good' and 'less worthy' texts."

She questions if adults are too dismissive and quick to equate fun with trivia. Because children engage with *Archie* creatively and distinguish between fantasy and reality, the comics may actually encourage critical thinking.

"Increasingly, young people need to be taught to assess, understand, interpret, synthesize and critique information and evaluate popular culture that is so central to their lives," says Norton.

"There is an urgent need to research the possibilities and limitations of incorporating popular culture in the classroom," she adds. "Our concern is to create a critical literacy curriculum with opportunities to explore popular culture in ways that respect boys' and girls' opinions and pleasures, while simultaneously challenging them to deconstruct their multiple and sometimes conflicting investments in it."

Norton continues her research while fielding calls from media and other groups.

In the meantime, she says, after four generations, the appeal of Archie, Jughead, Betty, Veronica and all the Riverdale High School gang is undiminished.

Assoc. Prof. Bonny Norton

The *Archie* Web site has 13 million hits a month. Betty remains most popular among girls, who see her as a role model who values friendship. Jughead is still tops among boys, who identify with the fact "he eats too much but doesn't get fat and he does weird stuff."

Students share jubilee program

UBC MEDICAL AND DENTAL undergraduates will be taking notes alongside faculty members when the Faculty of Medicine Jubilee scientific conference gets underway Friday, Nov. 3 and continues Nov. 4.

"Regularly scheduled teaching sessions will not meet on Friday to allow students to attend the scientific conference," says Assoc. Dean, Undergraduate Medical Education, Wes Schreiber. "We've made special arrangements so that students have a chance to hear these outstanding speakers who come from virtually every department in the faculty."

A recent donation will allow the students to attend the two-day scientific conference for a reduced fee of $30. In addition, some individual departments are sponsoring students and residents.

"We've designed the scientific program to introduce students to the myriad options available in contemporary medicine," says Orthopedics Prof. Stephen Tredwell who is conference program chair. "As well, residents can meet the leaders in their respective specialties."

Nobel Prize-winner and director of Vancouver's Genome Sequence Centre, Michael Smith, will open the scientific conference. There are 233 faculty members involved as speakers and session chairs in the conference and more than 200 research posters will be presented.

Four plenary sessions provide a topical focus on the brain, imaging, molecular biology and minimal access surgery. Discussions in concurrent sessions span virtually every medical specialty.

In addition, alumni, faculty members, students and staff will be recognized at an Awards of Excellence celebration scheduled for Friday, Nov. 3.

For more information on the Golden Jubilee, which runs Nov. 2-4, call the conference secretariat at (604) 669-7175, or visit the Golden Jubilee 2000 Web site at www.ubcmedicalschool.com.

calendar

OCTOBER 8 THROUGH OCTOBER 21

SUNDAY, OCT. 8

Art Exhibition
Exhibition Of Art. Kim Young-Jin. Asian Centre from 12noon-5pm. Continues to Oct. 14. Call Y. Chang 822-3797.

Chan Centre Concert
Evangelization. Rev. Giovanni Giampietro. Chan Centre at 7pm. Call Ticketmaster 280-3311 or for more information 822-9197.

MONDAY, OCT. 9

Thanksgiving Day Public Swims
UBC Aquatic Centre from 1-5pm. Continues from 6-10 pm. UBC Aquatic Centre. Call 822-4521.

Computer Science Colloquium
Meaning By Mathematics: Simulating Human Understanding Of Words And Passages With Machine Learning. Thomas K. Landauer. CICSR/CS 208 from 4-5:30pm. Refreshments. Call 822-0557.

Equality/Security/ Community Colloquium
The Alliance Party Flat Tax Plan: Equity For Whom? Jon Kesselman, Economics. Green College at 4pm. Call 822-1878.

Green College Speaker Series
Visions Of Modernity And The Collapse Of The Northwest Atlantic Cod: Historical Reflections On An Ecological Disaster. Miriam Wright, History. Green College at 5pm. Reception Green College Coach House from 6-6:30pm. Call 822-1878.

WEDNESDAY, OCT. 11

Wednesday Noon Hour Concert
Solo Recital Of Works By Ewazen, Schubert And Blazevitsch. Gordon Cherry, principal trombonist, Vancouver Symphony Orchestra; CBC Vancouver Orchestra. Music Recital Hall from 12:30-1:30pm. $4 at the door. Call 822-5574; 822-0182.

Laffs At Lunch And MUGs
Imagine UBC/MUGS. SUB/Norm Theatre from 12:30-1:30pm. Call Tlell Elviss 822-8698.

Law and Society Midday Lectures
The Dance Of The Corporate Veil: Holding Decision Makers Accountable For The Wrongful Acts Of Corporations. Janis Sarra, Law. No food/ beverages allowed. Green College at 12:30pm. Call 822-1878.

John F. McCreary Lecture
The Art Of Disability. Bonnie Sherr Klein, documentary filmmaker; prize-winning author. IRC #1 from 12:30-1:20pm. Call 822-2611.

Comparative Literature/ English Panel Discussion
Donizetti's Lucia Di Lammermoor In Context. M. Burgess, English; A. Busza, English; F. St. Clair, French; J. Wright, Vancouver Opera. Buchanan Tower Penthouse from 12:30-1:20pm. Call 822-4060.

Centre for Women's Studies Colloquium
Child Labour. Monica Das, U. of Delhi. Women's Studies Lounge from 12:30-1:30pm. Refreshments. Call 822-9173.

Obstetrics And Gynecology Seminar
Cell Cycle Control And Anti-Tumour Drug Targets. Michel Roberge, associate professor, Biochemistry. B.C.'s Women's Hosp. 2N35 at 2pm. Call 875-3108.

Oceanography Seminar
Resonant Diurnal Internal Tides In The Western North Atlantic. Brian Dushaw, Applied Physics Lab, U of Washington. BioSciences 1465 at 3:30pm. Call 822-3278.

Institute Of Asian Research Seminar
Globalization And The Transformation Of Asian Societies - Australian Trade Policy: After The Asian Crises. David Edgington, Geography. CK Choi 120 from 4:30-6pm. Refreshments. Call 822-4688.

TUESDAY, OCT. 10

Teaching And Academic Growth Seminar
Diversity And Inclusivity In The Classroom. Natasha Aruliah; Maura Da Cruz, Equity Office. TAG seminar room from 9:30am-12:30pm. To register www.cstudies.ubc.ca/facdev/ or call 822-9149.

Campus Awareness Week
Golden Key International Honour Society Campus Awareness Week. Brock Hall main concourse from 10am-4pm. Call 222-9402.

International Student Services Workshop
Connecting With Canadians. International House, Upper Lounge from 12noon-2pm. To pre-register e-mail: ihouse.frontcounter@ubc.ca. Call 822-5021.

Botany Seminar
Inorganic Nitrogen Absorption by Plant Roots: Physiology and Molecular Biology. Tony Glass. BioSciences 2000 from 12:30-2pm. Call 822-2133.

Lectures In Modern Chemistry
Towards A First Principles Quantum Mechanical Description Of Atomic Based Phenomena In Natural Sciences. Prof. Tom Ziegler, U of Calgary. Chemistry B-250 at 1pm. Refreshments at 12:30pm. Call 822-2996.

Gender And Development In Asia Lecture
Continuous Journey: South Asian Women's Issues In Canada. Sunera Thobani, assistant professor, Women's Studies. CK Choi 120 from 1-2:30pm. Call 822-4688.

Continuing Studies Writing Workshop
Life Into Fiction. Lillian Boraks-Nemetz, author, instructor. Carr Hall from 1-3 pm. Continues to Nov. 28. $171.20. Call 822-1450.

Continuing Studies Public Lecture
Intellectual Harvest: Lectures Emeritii. Various UBC professors emeritii. VPL, Library Square, Peter Kaye Room from 2-3:30pm. Continues to Nov. 14. $74.90; $69.55 seniors. Call 822-1450.

Continuing Studies Lecture Series
The Victorian Novel In Its Time. Prof. Herbert Rosengarten. Lasserre 105 from 7:30-9pm. Continues to Nov. 15. $74.90; $69.55 seniors. To register call 822-1420.

Continuing Studies Writing Workshop
Creative Writing: Square One. Paul Belserene, author, poet, scriptwriter. UBC Hosp., Koerner Pavilion T-185/186 from 7:30-10pm. Continues to Nov. 29. $203.30. To register call 822-1420.

Green College Writer-In-Residence
Poetry Reading. Robert Bringhurst, poet. Green College at 8pm. Call 822-1878.

THURSDAY, OCT. 12

Career Services Information Session
Nortel Networks - Target Audience: Computer Science, Computer Engineering And Electrical Engineering. Wesbrook 100 from 5:30-7pm. Call 822-4011.

Health Science Students Research Poster Forum
IRC from 9am-4pm. Call 822-3737.

Continuing Studies Lecture Series
The 20th Century Through Costume: From Bustles To Hot Pants And How We Got There. Ivan Sayers, former curator, history, Vancouver Museum. University Women's Club, 1489 McRae Ave. from 10-11:30am. Continues to Nov. 9. $64.20; $58.85 seniors. To register call 822-1420.

Earth And Ocean Sciences Colloquium
Role Of Methane Hydrates In Late Quaternary Climate. James Kennett, U of California. GeoSciences 330-A at 12:30pm. Call 822-3278.

Centre For Feminist Legal Studies
Women And Poverty: What's New In The Supreme Court Of Canada. Gwen Brodsky, lawyer; author. Curtis 157 from 12:30-1:30pm. Call 822-6523.

Physics and Astronomy Colloquium
Amidst Innovative Science Teaching, How Do We Assess Student Learning? Hennings 201 at 4pm. Refreshments, Hennings 325 at 3:45pm. Call 822-3853.

Applied Ethics Colloquium
The Governance Of Health Research Involving Human Subjects. Michael McDonald, director. Angus 415 from 4-6pm. Call 822-8625.

International Student Services Workshop
Getting To Know Canada! International House from 4:30-5:30pm. To pre-register e-mail: ihouse.frontcounter@ubc.ca. Call 822-5021.

Career Services Workshop
Interviewing For Success. Buchanan B-330 from 12:30-2:30pm. To register Web site: www.students.ubc.ca/workshops. E-mail: career.services @ubc.ca. Call 822-4011.

University Women's Club Workshop
Women In The 21st Century – Health And Healing Choices: The Good, The Bad And The Confusing – Talking About Midlife Health Issues. Lenore Riddell, clinical nurse specialist, B.C.'s Women's Hosp. Hycroft, 1489 McRae Ave from 7-9pm. $15. Call 731-4661.

Science And Society
Constructing The Science Journalist: What Should We Teach Journalism Students? Stephen Ward, associate professor, Sing Tao School of Journalism. Green College at 7:30pm. Call 822-1878; 822-6863.

FRIDAY, OCT. 13

Pediatric Grand Rounds
Meningocotcal Disease In The New Millennium. Andrew Pollard. GF Strong Aud. at 8:30am. Call 875-3257.

Health Care And Epidemiology Rounds
Mather 253 from 9-10am. Paid parking available in B Lot. Call 822-2772.

School Of Music Concert
UBC Contemporary Players. Music Recital Hall from 12:30-1:30pm. Call 822-5574; 822-0182.

Peter Wall Institute Colloquium
Fictive Families: Family And Household In Apuleius' Metamorphoses. Prof. Keith Bradley, Greek and Roman Studies, U of Victoria. University Centre 307 at 12:30pm. Call 822-4962.

Earth And Ocean Sciences Colloquium
Chinese VMS Deposits. Tom Danielson. GeoSciences 330-A at 12:30pm. Call 822-3278.

Electrical And Computer Engineering Seminar 2000
After The Measurements Are Taken, How Do We Stop The Chaos? Dennis Erickson, Quantum Controls. MacLeod 418 from 1:30-2:30pm. Call 822-2405.

Peter Wall Institute Workshop Series
Truth, Justice, Accountability And Reconciliation In Societies Emerging From Crimes Against Humanity. Various speakers. University Centre 307 from 2:30-6pm. Continues to Oct. 14 from 8:30am-6pm. Call 822-0203.

Centre For Japanese Research Seminar
Winning Isn't Everything: Corruption In Sumo Wrestling. Mark Duggan, Economics, U of Chicago. Angus penthouse from 3-4:30pm. Call 822-4688.

Chemical And Biological Engineering Seminar
Determining The Mixing Of Sensitivity Of Polysulfide Generation. Heather Dobson. ChemEng 206 at 3:30pm. Call 822-3238.

Mathematics Colloquium
A Survey Of Recent Progress In General Relativity. Prof. Richard Schoen, Stanford U. Math 100 at 3:30pm. Refreshments Math Annex 1115 at 3:15pm. Call 822-2666.

Football
Thunderbird Football Vs. Manitoba. Thunderbird Stadium from 7-10pm. $7 adults; $5 youth/seniors; $3 students; under 12 free. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Ice Hockey
Thunderbirds Vs. Brandon. Winter Sports Center from 7:30-10pm. Continues to Oct. 14. $7 adults; $5 youth/ seniors; $3 students; under 12 free. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Murder Mystery Night
Murder Unlimited Presents Murder At Hodgepodge Lodge. UBC Young Alumni Club. CGP at 7:30pm. $20 includes dessert buffet. Call 822-3313.

Chan Centre Concert
Dichter Plays Mozart Concert #20. Vancouver Symphony Orchestra. Misha Dichter, pianist; Peter Oundjian, conductor. Chan Centre at 8pm. Call Ticketmaster 280-3311 or for more info 822-9197.

SATURDAY, OCT. 14

Longboat Clinics
Training For The Day Of Longboat. Jericho Sailing Center from 8am-5pm. Continues to Oct. 15. Call Sports Event Manager 822-1688.

Continuing Studies Lecture Series
Thinking Straight: Introduction To Critical Thinking. Anne Harland, philosophy instructor. Lasserre 107 from 9:30am-12:30pm. Continues to Nov. 4. $96.30; $90.95 seniors. To register call 822-1420.

Women's Self-Defence Training
Rape Aggression Defence Training. Cst. Tricia Gagne, RCMP; Tom Claxton, security officer, UBC Security. SUB 212a from 9am-4pm. Continues to Oct. 15 at 9am-7pm. $20; $10 students. Call 328-8093

Continuing Studies Lecture Series
Drawing The Garden. Tony O'Regan, artist, instructor, designer. University Women's Club, 1489 McRae Ave. from 10am-4:30pm. Continues to Oct. 15. $165.85. To register call 822-1420.

Apple Festival
A Family Festival. UBC Botanical Garden from 11am-4pm. Continues to Oct. 15. Call 822-3928

Soccer
Thunderbird Women's Soccer Vs. Saskatchewan. Thunderbird Stadium from 12noon-2pm. $7 adults; $5 youth/seniors; $3 students; under 12 free. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Soccer
Thunderbird Men's Soccer Vs. Saskatchewan. Thunderbird Stadium from 2-4pm. $7 adults; $5 youth/seniors; $3 students; under 12 free. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Chan Centre Concert
Dichter Plays Mozart/Schuberts Symphony #3. Vancouver Symphony Orchestra. Misha Dichter, pianist. Chan Centre at 8pm. Call Ticketmaster 280-3311 or for more info 822-9197.

Vancouver Institute Lecture
Bio/Graphics: The Role Of Technology In The Art Of Storytelling. Alice Mansell, vice-president, academic, Technical U of BC. IRC #2 at 8:15pm. Call 822-3131.

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 BC, V6T 1Z1. Phone: UBC-info (822-4636). Fax: 822-2684. An electronic form is available at 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. 19 issue of *UBC Reports*—which covers the period Oct. 22 to Nov. 4—is noon, Oct. 10

SUNDAY, OCT. 15

Soccer
Thunderbirds Vs. Alberta. Thunderbird Stadium from 12noon-2pm. $7 adults; $5 youth/seniors; $3 students; under 12 free. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Soccer
Thunderbirds Vs. Alberta. Thunderbird Stadium from 2-4pm. $7 adults; $5 youth/seniors; $3 students; under 12 free. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Pacific Spirit Concerts
Violin Works By Luciano Berio. Francesco D'Orazio, violin. Music Recital Hall from 2-4pm. Tickets available at the door: $20 adults; $10 students/seniors. Call 822-5574; 822-0182.

Chan Centre Concert
Rivals: The Music Of Salieri, Mozart, Rossini And Beethoven, CBC Radio Orchestra, Mario Bernardi, conductor. Chan Centre at 2pm. Call Ticketmaster 280-3311 or for more info 822-9197.

MONDAY, OCT. 16

Continuing Studies Lecture Series
World Food Day. Panel: Graham Riches, School of Social Work and Family Studies. Roundhouse Community Centre, room B, from 12noon-1:30pm. For reservations call 822-1462.

Southeast Asia Research/IAR Seminar
Cambodia 2000: Shadowed By The Past. David P. Chandler, professor emeritus, History, Monash U. CK Choi 120 from 12:30-2pm. Call 822-4688.

Astronomy Seminar
The Great Copernican Cliché. Dennis Danielson. Hennings 201 at 4pm. Refreshments at 3:45pm. Call 822-2267.

Career Services Information Session
Goldman Sachs (Hong Kong And Japan). MOA from 6-8pm. E-mail: career.services@ubc.ca. Call 822-4011.

Continuing Studies Lecture Series
Visions Of Human Possibility. Leonard George, psychologist, writer, broadcaster. Carr Hall from 7-9pm. Continues to Dec. 4. $144.45. To register call 822-1420.

Member Speaker Series
Visual Culture And Everyday Life. Don Krug, Curriculum Studies. Green College at 7:30pm. Call 822-1878.

Continuing Studies Public Lecture
Understanding Islam: Part One. Emile Nucho, instructor, Classical, Near-Eastern and Religious Studies. University Women's Club, 1489 McRae Ave. from 7:30-9:30pm. Continues to Nov. 27. $101.65; $96.30 seniors. To register call 822-1420.

TUESDAY, OCT. 17

Cecil/Ida Green Visiting Professorships Seminar
The Rheumatic Diseases Of Childhood: A Practical Approach For Pediatricians. Jane Green Schaller, pediatrics, Tufts U. B.C.'s Children's Hosp. 3D16 at 11am. Call 822-5675.

Continuing Studies Public Lecture
Quebec In Canada: The Heritage Of The Trudeau-Levesque Years. VPL Library Square, Peter Kaye Room from 10-11:30am. Continues to Nov. 14. $64.20; $58.85 seniors. To register call 822-1420.

Health Services And Policy Research Seminar
Social Capital, Wealth, Income Inequality, Regional Health Governance, And Population Health: Empirical Insights From Saskatchewan. Gerry Veenstra. IRC 414 from 12noon-1pm. Call 822-4969.

Botany Seminar
Jurgen Ehlting. BioSciences 2000 from 12:30-2pm. Call 822-2133.

Moffatt Lecture In Organic Chemistry
Supramolecular Dendrimer Chemistry. Prof. Steven Zimmerman, U of Illinois. Chemistry B-250 at 1pm. Refreshments at 12:30pm. Call 822-2996.

Green College Speaker Series
The Collection Albums Of Annette Messager: Exhibiting The Everyday Life Of Women. Rebecca DeRoo, Fine Arts. Green College at 5pm. Reception Green College Coach House from 6-6:30pm. Call 822-1878.

Career Services Information Session
Alcatel Network - Target Audience: Computer Science And Electrical Engineering. Wesbrook 100 from 5:30-7pm. E-mail: career.services@ubc.ca. Call 822-4011.

Continuing Studies Lecture Series
Apprentice Class For New Poets. Leslie Timmins, poet, editor. Continuing Studies 215 from 7:30-9:30pm. Continues to Nov. 21. $128.40. To register call 822-1420.

Chalmers Institute Seminar
Theology And Poverty: A Downtown Eastside Perspective. Rev. Ruth Wright, executive director, First United Church Mission. VST Epiphany Chapel at 7:30pm. To register e-mail: ci@vst.edu; call 822-9815.

Green College Writer-In-Residence
Reading: *A Pair Of Scissors*. Sharon Thesen, poet. Green College at 8pm. Call 822-1878.

WEDNESDAY, OCT. 18

Cecil/Ida Green Visiting Professorships Seminar
Monitoring Therapy: How Much Therapy Is Enough To Ensure Good Outcomes For Children With Rheumatic Disease? Jane Green Schaller, Tufts U. Children's and Women's Health Centre of B.C. ZN35A-B at 12pm. Call 822-5675.

Australian Studies Seminar
Interpreting The Dreaming. Steve Webb, Bond U. CK Choi 129 from 12noon-1:30pm. Call 822-4688.

Wednesday Noon Hour Concert
Birth Of The Cool. The Alan Matheson Nonet. Music Recital Hall from 12:30-1:30pm. $4 at the door, Call 822-5574; 822-0182.

Centre For Women's Studies Colloquium
Flexible Work Practices. Alison Sheridan, U of New England. Women's Studies lounge from 12:30-1:30pm. Call 822-9173.

Centre For Southeast Asian Research Seminar
Writing Is A Struggle: The Indonesian Experience. Putu Oka Sukanta. CK Choi 120 from 12:30-2pm. Call 822-4688.

Obstetrics And Gynecology Seminar
Polycystic Ovary Syndrome. Dr. B. Ho Yuen. B.C.'s Women's Hosp. 2N35 at 2pm. Call 875-3108.

St. John's College Speaker Series
Gender-Based Differences And Menstrual Cycle-Related Changes In Specific Diseases. Prof. Mary Ensom, Pharmaceutical Sciences. St. John's College Lecture Hall 1080 at 5pm. Call 822-8781.

Comparative Literature Colloquium
Polish Art Exhibition At Vancouver Art Gallery: Literary And Artistic Background With Canadian Analogues. Various speakers. Green College from 5-6:30pm. Call 822-4060; 822-2365.

Career Services Information Session
Cypress Semi-Conductor - Target Audience: Electrical Engineering. Wesbrook 100 from 5:30-7pm. E-mail: career.services@ubc.ca. Call 822-4011.

Continuing Studies Public Lecture
The VSO Companion. Rodney Sharman, composer-in-residence, Vancouver Symphony Orchestra; David Phillips, music teacher. Music 113 from 7:30-9pm. Continues to Nov. 15. $42.80; $37.45 seniors. To register call 822-1420.

Continuing Studies Public Lecture
Garden History: Elements Of Style. Ron Rule, garden historian. Lasserre 107 from 7:30-9pm. Continues to Nov. 22. $74.90; $69.55 seniors. To register call 822-1420.

Green College Special Lecture
A Guided Tour Of Disordered Systems. Antal Jarai, Pacific Institute for the Mathematical Sciences. Green College at 8pm. Call 822-1878.

THURSDAY, OCT. 19

Innertube Water Polo
UBC Aquatic Center from 9am-12noon. $54/team; $40 MUG team. Call Sports Event Manager 822-1688.

Institute For European Studies
From The Danube To The Sea: Reflections On Middle Europe. Claudio Magris, author. Buchanan Tower Penthouse from 12noon-2pm. Light lunch at 12noon. Call 822-1452.

Brown Bag Lunch Series
The Iceberg And The Tip: What Doesn't Get Reported About Government. Vaughn Palmer, public affairs columnist, *The Vancouver Sun*; host, Voice of B.C., Rogers Television. Sing Tao 104 from 12:30-2pm. Call 822-6688.

Cecil/Ida Green Visiting Professorships Seminar
International Child Health; Why Should We Care. Jane Green Schaller, pediatrics, Tufts U. IRC #6 at 12:30pm. Call 822-5675.

Pharmaceutical Sciences Seminar
Reactive Metabolites And Evidence For Involvement In Idiosyncratic Drug Reactions. Dr. Uetrecht, Pharmacy, U of Toronto. FamSciences 60 at 12:30. Call 822-2052.

Centre For Feminist Legal Studies
Evolution Of Equal Pay And Equal Treatment Legislation In European Union. Lisa Waddington. Curtis 157 from 12:30-2pm. Call 822-6523.

Earth And Ocean Sciences Colloquium
Can Neural Network Models Benefit Environmental Sciences? William Hsieh. GeoSciences 330-A at 12:30pm. Call 822-3278.

Physics And Astronomy Seminar
NMR Approaches To Quantum Information Processing. D.G. Cory, associate professor, Nuclear Engineering. MIT. Hennings 201 at 4pm. Refreshments Hennings 325 at 3:45pm. Call 822-3853.

Computer Science Colloquium
Motion Planning: A Journey Of Robots And Other Artifacts. Jean-Claude Latombe, Stanford U. CICSR/CS 208 from 4-5:30pm. Refreshments. Call 822-0557.

Medieval And Renaissance
Don't You Know That Yet? Reflections On Two Decades Of Research On Women And The Reformation. Merry Wiesner Hanks, history, U of Wisconsin. Green College at 4:30pm. Call 822-1878.

Career Services Information Session
Canadian Security Intelligence Service (CSIS) - Target Audience: All Faculties With Interest In Political Science And International Studies Students. Wesbrook 100 from 5:30-7:30pm. E-mail: career.services@ubc.ca. Call 822-4011.

Volleyball
Thunderball XV. War Memorial Gym from 5:30-9:30pm. Continues to Oct. 21. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Marion Woodward Lecture
Personal Meanings Of Breast Cancer And Health Outcomes: A Three-Year Follow-Up. Lesley Degner, U of Manitoba. IRC #2 at 7pm. Call 822-7453.

Continuing Studies Public Lecture
The Avant-Garde For Beginners. Laura Lamb, instructor, artist. Lasserre 107 from 7:30-9pm. Continues to Nov. 16. $64.20; $58.85 seniors. To register call 822-1420.

FRIDAY, OCT. 20

Cecil/Ida Green Visiting Professorships Seminar
International Child Health: Why Should We Care? Jane Green Schaller, pediatrics, Tufts U. B.C.'s Children's Hosp. at 8:30am. Call 822-5675; 875-3257.

Health Care And Epidemiology Rounds
Behaviourial Research In Cancer Control: Cornerstones, Controversies And Communities. Dr. Allan Best, senior scientist, Centre for Clinical Epidemiology and Evaluation. Mather 253 from 9-10am. Paid parking available in Lot B. Call 822-2772.

Germanic Studies Reading/Discussion
Readings From A Recent Work By G. Koepf And Discussion Of Problematics Of Translation. Gerhard Koepf, writer; A. Leslie Willson, translator. Buchanan D-224 from 12:30-2pm. Call 822-6403; 822-4042.

Pharmaceutical Sciences Seminar
What Is The Basis For The Idiosyncratic Nature Of Idiosynratic Drug Reactions. Dr. Uetrecht, U of Toronto. Cunningham 160 at 12:30pm. Call 822-2052.

School of Nursing Rounds
Building On A Program Of Research To Strengthen Research Capacity And Uptake: Development Of A Plan For A Nursing Chair. Lesley Dregner, associate professor, Medicine, U of Manitoba. UBC Hosp., Koerner Pavillion T-206 from 2-3pm. Call 822-7453.

Mathematics Colloquium
Expanders, Eigenvalues And Related Topics. Prof. Joel Friedman. Math 100 at 3:30pm. Refreshments, Math Annex 1115 at 3:15pm. Call 822-2666.

Chemical And Biological Engineering Seminar
FEMLAB In Chemical Engineering. Ed Fontes; David Kan, COMSOL, Inc. ChemEng 206 at 3:30pm. Call 822-3238.

Band Festival
West Coast Symphony, Clyde Mitchell, conductor; Martin Berinbaum, trumpet soloist. Chan Centre from 7:30-9:30pm. Call 822-5574 or 822-0182.

Band Festival
UBC Jazz Ensemble; Fred Stride, director. Music Recital Hall from 12:30-1:30pm. Call 822-5574; 822-0182.

MUGsical
UBC Jazz Ensemble. Music Recital Hall from 12:30-1:30pm. E-mail: imagine@interchg.ubc.ca. Call Tlell Elviss 822.8698.

Vipassana Meditation Retreat
Christina Feldman, Westcoast Dharma Society. Asian Centre from 7:15-9pm. Continues to Oct. 21. E-mail: wdharma@unixg.ubc.ca. Call 731-5469.

Ice Hockey
Thunderbirds Vs. Calgary. Continues to Oct. 21. Winter Sports Center from 7-9pm. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

Field Hockey
Canada West #3. TBC from 10am-6pm. Continues to Oct. 22. E-mail: daweber@interchange.ubc.ca. Call 822-BIRD (9115).

SATURDAY, OCT. 21

Continuing Studies Art Workshop
Painting The Garden In Watercolour. Tony O'Regan, artist; instructor; designer. University Women's Club, 1489 McRae Ave. from 10am-4:30pm. Continues to Oct. 28. $165.85. To register call 822-1420.

Band Festival
Finale From Shostakovich Symphony #5. UBC Symphonic Wind Ensemble, Martin Berinbaum, conductor; 15th Field Artillery Band. Chan Centre from 7:30-9:30pm. Call 822-5574; 822-0182.

Day Of Longboat
Jericho Sailing Center from 8am-5pm. Continues to Oct. 22. $215/university; $270/commuity; $140/youth; $160/MUGS. Call Sports Event Manager 822-1688.

Vancouver Institute Lecture
World Hazards For Children: War And Civil Unrest. Jane Green Schaller, pediatrics, Tufts U. IRC #2 at 8:15pm. Call 822-5675.

NOTICES

Volunteers Wanted
Habitat For Humanity UBC is looking for volunteers! Come help out on the construction site and build homes for low-income families – no skills required. For more information and to register for an orientation, e-mail: h4h@email.com or call 827-0316.

Religion And Spirituality Drop-Ins
Every Wednesday you can join the chaplains in a relaxed environment to explore a variety of topics related to religion and spirituality. Drop in or contact International House for more information e-mail: ihouse.frontcounter@ubc.ca or call 822-5021.

Lunch Hour Drop-Ins
Every Thursday you can join fellow international students in a relaxed, social environment to explore a variety of topics designed to help you succeed at UBC. Topics include health, safety, arts and literature, and music throughout the world. Drop in or contact International House for more information e-mail: ihouse.frontcounter@ubc.ca or call 822-5021.

Volunteer Opportunity: Leaders Wanted
Living A Healthy Life With Chronic Conditions - A Vancouver/Richmond Health Board-sponsored program for people with chronic health conditions. We are looking for leaders to give the program out in the community. Free training includes info about the program, leader skills, and helping people cope with these serious conditions so that they can get the most out of life. Come out and learn how you can do something positive about the way that chronic conditions affect people. Bring a friend and meet others who are concerned about getting the most out of life! Next session November 2000. To register or for more information call Barbara Henn-Pander 822-0634.

UBC Zen Society
Zazen (sitting meditation) each Tuesday from 1:30-2:30pm. while classes are in session. Asian Centre Tea Gallery. All are welcome. Call 822-2573.

DIGEST

Nominate for Killams

The Canada Council for the Arts is seeking nominations for the 2001 Killam Prizes and the 2000 Canada Council for the Arts Molson Prizes.

Killam Prizes recognize distinguished research careers and exceptional contributions in the fields of science, engineering and health sciences. Prizes, worth $100,000, will be awarded in each of the three fields. The deadline for nominations is Nov. 1.

Past UBC recipients of the Killam Prize include Mechanical Engineering Prof. Emerita Martha Salcudean and Physics Prof. William Unruh.

The Canada Council for the Arts Molson Prizes are awarded to individuals in the arts and the social sciences and humanities for outstanding and continuing contributions to the cultural and intellectual heritage of Canada. Two prizes, each worth $50,000, will be awarded. The deadline for nominations is Dec. 1.

Application forms are available at www.canadacouncil.ca/prizes.

Scrum for the Shrum

UBC's football Thunderbirds will have a chance to even the score with cross-town rivals, the SFU Clan, in the annual Shrum Bowl Oct. 6. Kickoff for the game at Thunderbird Stadium is 7 p.m. General admission is $15, $12 for youth and seniors.

For information on other upcoming T-Birds events, check www.athletics.ubc.ca or call the 24-hour sports information line 822-BIRD (2473).

Stop that bullying

In response to the growing number of reports and tragic consequences associated with bullying, the Faculty of Education's Psychoeducational Research and Training Centre is presenting a one-day workshop, Oct. 20.

"Building Safe Schools: Responding to Bullies' Victims and Onlookers" will be held at the Metrotown Hilton at 6083 Mackay Ave. in Burnaby from 8 a.m. to 7:30 p.m.

Conference chair Shelley Hymel, associate dean of graduate programs and research in the faculty, will provide an overview of recent research on the nature, incidence and causes of bullying.

Other speakers include Canada's foremost experts on bullying-victim issues, Deborah Pepler from York University and Wendy Craig from Queen's University. Breakout and planning sessions will showcase local and grassroots efforts and programs to combat bullying.

For more information visit www.educ.ubc.ca/prtc or call (604) 822-5384.

The Media Group — Office of the Coordinator of Health Sciences

Powerpoint Course

The couse will deal with the basics of setting up presentations for slides and posters, graphic design to increase the readability and aesthetics of your presentation and dealing with graphic images.

Dates	October 20, 2000 or November 3, 2000
Time	9:00 -12:00 am
Where	Room B8, Basement Woodward IRC Building
Cost	$50.00
Register	slides@interchange.ubc.ca or 822-5769

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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 avail. Call 222-3461. Fax: 222-9279.

GREEN COLLEGE GUEST HOUSE Five suites avail. for academic visitors to UBC only. Guests dine with residents and enjoy college life. Daily rate $58 plus $14/day for meals Sun-Thurs. Call 822-8660 for more information and availability.

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Accommodation

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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.

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

PETER WALL INSTITUTE University Centre. Residence offering superior hotel or kitchenette style rooms and suites. All rooms have private bath, queen bed, voice mail, cable TV and Internet-linked PC. Beautiful view of sea and mountains. For rates and reservations call 822-4782.

VANCOUVER SCHOOL OF THEOLOGY Affordable accommodation or meeting space near the Chan Centre and MOA. 17 modestly furnished rooms with hall bath are avail. Daily rates starting at $36. Meals or meal plans are avail. in the school cafeteria. For more information call 822-9031; 822-9490.

Accommodation

CAMILLA HOUSE in Kitsilano area, furnished suites or rooms avail. Kitchen and laundry facilities. Close to main bus routes, shopping and dining. Weekly and monthly rates avail. Call 737-2687.

ONE (OR TWO) BR garden level suite, large kitchen, gas F/P, high ceilings, separate entry. Shared laundry. Excellent neighborhood, Dunbar area. $950/mo. all incl. (except cable, phone). Some furniture and kitchen appliances possible. Avail. immediately. N/P, N/S, quiet, mature tenant(s) preferred. E-mail: kzaenker@interchg.ubc.ca. Call 224-1942.

FOR RENT IN KASLO Beautiful three BR furnished heritage house in the village of Kaslo situated on Kootenay Lake in southeastern BC. N/P, N/S. $1200/mo. For further info, e-mail: dagmars@intergate.ca or call after 6pm 731-5753.

Housesitting

ANTICIPATING AN EXTENDED absence or planning a sabbatical? Gentleman, solo, N/S avail. for fee-less house/suite sitting autumn 2000 throughout 2001. Ref. Please contact Real Saint Laurent, Box 3792, Vancouver, BC, V6B 3Z1 or call 682-3269 ext. 9066.

RESPONSIBLE N/S PROFESSIONAL woman (with a school-age son) seeks house to sit. Will care for your plants and pets. West side only. With ref. Call Lulu 254-8450.

Services

TRAVEL-TEACH ENGLISH 5 day/40 hr. (Oct. 25-29). TESOL teacher certification course (or by correspondence). 1,000s of jobs avail. NOW. FREE information package, toll free (888) 270-2941 or (780) 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, BCOMM, CFP, RFP. E-mail: dproteau@hlp.fpc.ca or call 687-7526.

LLUVIA PRESCHOOL Fall 2000. Afternoon preschool for ages three and four years old. Monday to Thursday from 1-3:30pm. Cost: $230/mo. Call UBC Child Care Services 822-5343.

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PLACING CLASSIFIED ADS

Deadline: for the Oct. 19 issue: 12 noon, Oct. 10.

Enquiries: UBC-INFO (822-4636) · *Rate:* $16.50 for 35 words or less.

Additional words: 50 cents each. Rate includes GST.

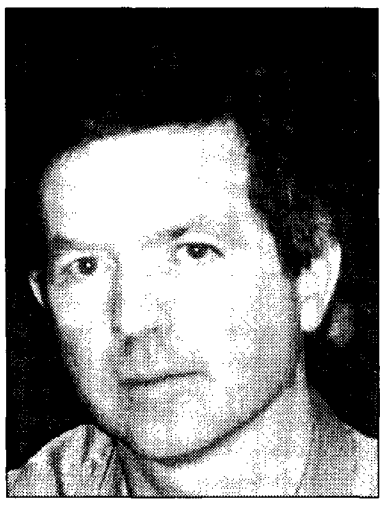
Submission guidelines: Ads must be submitted in writing 10 days before publication date to: UBC Public Affairs Office, 310 – 6251 Cecil Green Park Road, Vancouver BC, V6T 1Z1. Ads must be accompanied by payment in cash, cheque (made out to *UBC Reports*) or journal voucher.

Building Community Together
the United Way
United Way of the Lower Mainland

New procedure a cut above

Technique makes kidney donors' lives easier, say transplant surgeons

by Hilary Thomson staff writer



Dr. Mark Meloche

Dr. Mark Nigro

THE SURGICAL INVASION associated with kidney donation will be sharply reduced thanks to a new procedure being launched in B.C. by two UBC transplant surgeons.

"We hope to attract more donors with this less invasive technique," says Dr. Mark Meloche, an associate professor of Surgery.

"It should be easier for people to donate because the whole process is less taxing on the body and allows people to get back to their activities sooner," adds Meloche, who is head of Surgery for the British Columbia Transplant Society (BCTS).

When he and clinical associate professor of Surgery Dr. Mark Nigro bring the procedure to the UBC site of Vancouver Hospital and Health Sciences Centre (VHHSC) next year, it will be one of the first facilities in Canada to use the new transplant method.

Called minimally invasive surgery, the procedure uses a laparoscope—a tube attached to a 10-millimetre-wide camera—and tiny instruments inserted into small incisions to extract the kidney. Most donors are able to return to activities in about two weeks—one-third to one-quarter the previous recovery time.

Nigro, a director of renal transplant surgery at VHHSC and head of Retrieval Services for BCTS reports that his first minimal access patient was able to leave hospital to play in a championship pool game 36 hours after surgery.

The standard procedure for kidney removal, or nephrectomy, requires a 15-20 centimetre lateral incision in the flank that cuts through muscle. It requires about four to six days recovery in hospital and six to eight weeks at home.

In the new procedure, the surgeon makes several vertical incisions about 10 millimetres in length above the navel without cutting into muscle.

The laparascope with its tiny camera is inserted and an image of the interior of the surgical site is shown on a high-resolution screen. Small instruments and stapling devices are inserted into the incisions and are operated remotely from outside the body.

The kidney is drawn out in an operation that takes about three to 3-1/2 hours, about one hour longer than the standard procedure.

The project will yield clinical, research and teaching benefits, says Nigro. He credits VHHSC for its support in providing equipment for the program.

Within the next six months, he and Meloche will be training residents in the technique which was developed in a Baltimore, Md. hospital about three years ago.

Honour Roll

Fred Fotis has been named the director of Housing and Conferences effective Jan. 3 next year.

Fotis is currently director of Housing at Pennsylvania State University where he is responsible for the daily operations of a system housing 12,500 students with an extensive conference business and child-care programs.

He will take over from acting director **Darcelle Cottons**.

UBC has the largest residence system in Canada, with more than 5,500 students housed on campus. Housing and Conferences also operates licensed child-care and conference facilities.

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David Vogt, founder of an innovative on-line educational publishing company, has been appointed to the David F. Robitaille Professorship in Mathematics and Science Education in the Curriculum Studies Dept.

A founding executive of Brainium.com—which pioneers new media learning products for the K-12 market—he is the first person to be appointed to the newly created three-year term.

A UBC graduate in Physics and Astronomy and English Literature, Vogt was director of observatories at UBC for 12 years.

He was founding director of the B.C. Shad Valley Program and a leading force in the National Scientist and Innovators in the Schools Programs.

David Vogt

An international group of renowned scholars will gather at UBC Oct. 23-24 to honour Psychology Prof. Emeritus **Bob Hare**.

During three decades of research focused on the study of psychopathy, his work has formed the foundation of current knowledge and the relationship between psychopathy and crime.

The conference will bring together experts who have helped expand understanding of psychopathy, and provide a forum to recognize the achievements of Hare and define new research directions and issues.

Registration for the conference, which is limited to 300 people, is $25 per day, free for students. For more information and to register, e-mail teresah@interchange.ubc.ca.

Engineers aim to build data bridges

THE BUILDING INDUSTRY contributes about 12 per cent to Canada's national economy and employs more than 850,000 workers, but it is fragmented by the use of diverse, incompatible data standards and protocols. UBC researchers are doing something about it.

Current industry practice has designers, architects, engineers and building contractors employing computer-based tools that require information to be translated by humans before it can be used in each of the different computer platforms.

For example, after a building designer uses computer-assisted design (CAD) software to render a structure for construction, engineers then use that information to test the building's structural soundness. But before they can use the CAD information in their computers, they must re-enter the data in a format that their applications understand. This data re-entry can lead to errors and delays.

To combat this, Civil Engineering Assoc. Prof. Thomas Froese has received a three-year $618,750 grant from the Natural Sciences and Engineering Research Council of Canada for an international research project aimed at reducing the amount of human intervention required in sharing building information. The results could lead to improvements in building efficiency and more accurate estimates in tendering for work by those in a relatively low-margin business.

"When you build a building, a lot of the process happens before a shovel goes into the ground," says Froese. "The bulk of that has to do with information handling. Problems in a building project often have to do with information breakdowns—wrong information, late information."

Froese says a common data standard would help speed up the adoption of new information technology.

He and Civil Engineering Dept. Head Alan Russell are collaborating with researchers from the National Research Council, the University of New Brunswick, Concordia University, Ryerson Polytechnic University, and Public Works and Government Services Canada on the project. Stanford University, the United States Corps of Engineers and the International Alliance for Interoperability will also be involved.

Public Meeting

You are invited to attend a public meeting on:

Monday, October 16, 2000

Location:
Asian Centre Auditorium
1871 West Mall, UBC

Open House:
6 p.m. – 7 p.m.

Presentations and Discussion:
7 p.m. – 10 p.m.

For more information about this meeting, please contact:

Eva Mendel
GVRD Policy and Planning Department
(604) 451-6643

GVRD – UBC Memorandum of Understanding and UBC Comprehensive Community Plan

UBC and the GVRD have jointly drafted a new Memorandum of Understanding to help guide the planning and development of the UBC campus, within the context of the Official Community Plan which the GVRD adopted in 1997.

In addition, UBC has prepared a Comprehensive Community Plan to give more detailed expression to the Official Community Plan and to guide the preparation of neighbourhood plans.

The GVRD invites you to come to this meeting, learn about these important documents, and offer your comments before they are brought forward to the GVRD Board of Directors for consideration.

PROFILE

Pharmaceutical Sciences

Prof. Mary Ensom loves learning

Pills of wisdom

Researcher and award-winning teacher Prof. Mary Ensom lets her students know there's more than one right answer. *Hilary Thomson photo*

by Hilary Thomson staff writer

ASK A UBC Pharmaceutical Sciences student about Prof. Mary Ensom's trademark teaching technique and they'll tell you in two words: The Question.

Ensom starts most classes with a clinical question and then guides students though a complicated maze of equations and formulae to find the answer.

It's a simple device that links pharmaceutical science and practice and is a key part of a teaching repertoire that earned Ensom a UBC Killam Teaching Prize this year. She also captured all four teaching awards then available to clinical faculty at the University of Kentucky (UK), her alma mater and employer before she joined UBC 's Faculty of Pharmaceutical Sciences in 1997.

"I try to put myself in students' shoes," says the advocate of student-centred learning. "They want to know why they need to learn the material. I give them a clinical context."

Ensom says she is amazed that she gets paid for doing what she loves to do.

"Students' eyes light up when they get it," she says. "It's incredibly rewarding when they come in uninterested or intimidated and leave totally engaged in the subject."

In addition to The Question, Ensom encourages active learning by involving students in debate on controversial issues and challenges them to solve problems their own way.

"I let students know that in real life, there's more than one right answer," she says. "My job is to teach them how to approach a problem—how to learn, not just what to learn."

She teaches clinical pharmacokinetics—the study of how the body handles drugs—to both graduate and undergraduate classes.

The discipline combines mathematical and scientific principles with clinical situations to evaluate how drugs are absorbed, distributed, metabolized and excreted. It calls for precise calculations in working out dosages and an understanding of the many variables that affect drug action in the body.

Born in Taiwan, Ensom was seven years old when her family moved to the United States. They originally settled in Virginia where her father earned his doctorate, and later moved to Kentucky when he joined the faculty at UK.

Ensom loved school and explored virtually every subject. She also excelled at music and her violin virtuosity earned her a scholarship to university.

After a brief stint as an engineering student, she settled on pharmacy because it combined science and working with people. It also promised a financially secure job that could be undertaken part-time while raising a family.

She earned both her Bachelor of Science in Pharmacy and her Doctor of Pharmacy from UK.

Her love of learning is evident in a remarkable record of achievement that featured annual inclusion on the UK Dean's List with a perfect grade point average and twice being named in *Who's Who in Students in American Universities and Colleges.*

After 13 years of academic life and 23 years as a pharmacist, Ensom says it's the versatility of her work that keeps her interested.

"I have a unique job because I learn about patient problems as a clinician, research those questions and pass along the learning to my students. It's an integrated cycle."

Ensom's own research, conducted at Children's & Women's Health Centre of B.C. (C&W), looks at how women's hormonal fluctuations influence drug action and disposition.

"Women have been under-represented in clinical research studies on drug effects," she says. "Much of my research program addresses this data gap and aims to improve drug therapies for women."

ONE PROJECT LOOKS at the effects of estrogen on asthma symptoms, lung function and airway inflammation, using various urine and blood tests. Previous observations indicated that 30 to 40 per cent of asthmatic women had a noticeable increase in symptoms just before and during menstruation when estrogen levels are low.

Ensom explored these findings in a pilot study she conducted while at UK. Research participants were given estrogen to see if it could improve their premenstrual asthma; blood samples were tested in addition to lung function. Results indicated that all 14 subjects had premenstrual worsening of symptoms and most showed significant improvement after estrogen was given.

Working with UBC Respiratory Medicine Prof. Tony Bai and others, she is now conducting a double-blind, random, placebo-controlled study to validate those findings.

Another project, done in collaboration with UBC Obstetrics and Gynecology Asst. Prof. Mary Stephenson, is the first study to systematically evaluate the disposition and action of two types of heparin—a blood-thinning agent—before and during pregnancy in women who have experienced recurrent pregnancy loss.

Every year, physicians at B.C. Women's Hospital and Health Centre—part of C&W—see more than 400 patients who need blood thinner throughout pregnancy. Many are treated because of a history of clotting—the most common cause of maternal death in pregnancy. Other mothers need the drug because of an auto-immune problem that causes miscarriage.

Heparin has been used for some time to treat these problems, however, there is little data on how to judge the optimal dose per patient. The study will be useful to maximize the therapeutic effect and minimize drug side effects.

Ensom and Stephenson are also conducting the first study to evaluate the pharmacokinetics of intravenous immunoglobulin (IVIG) in patients with recurrent pregnancy losses.

Although IVIG has been used to prevent miscarriage, detailed information on how the drug is handled by the body is not available. The study aims to gather the data necessary to help doctors prescribe optimal amount of the drug before and during pregnancies.

In addition to her teaching and research, Ensom also serves as a clinical pharmacy specialist with C&W. She supervises students on clinical and research rotations, acts as resource for the hospital Pharmacy Dept. and is involved with staff education and development.

WHEN ASKED about significant changes in the profession, Ensom points to the field of pharmacogenetics. The emerging area uses a patient's genetic makeup to customize drug therapies, eliminating trial and error or approximate dosages.

Ensom is working with UBC Pharmaceutical Sciences Prof. Ron Reid and others to bring this discipline into the faculty's research program and curriculum.

Ensom credits her achievements to her parents' encouragement to excel and to her strong Christian faith.

Self-described as a driven person, Ensom's broad range of activities is supported by her organizational skills.

She can, without hesitation, pull out a needed document from the many stacks of paper piled on desk, tables and floor in her office. She also claims a photographic memory for colour and has a reputation in the faculty for her co-ordinated and vibrant outfits.

Mother of 14-year old-Hannah, whose pictures crowd her office, Ensom tries to keep her life in balance with music, drawing, painting and annual Kentucky Derby parties. She also enjoys riding a tandem bicycle with husband, Robin, head of Pharmacy at St. Paul's Hospital.

Described by her colleagues as creative and dedicated with a contagious enthusiasm, Ensom encourages aspiring pharmacists to find a mentor, seek out collaborations and persevere.

And, adds the teacher known for The Question, don't hesitate to ask.