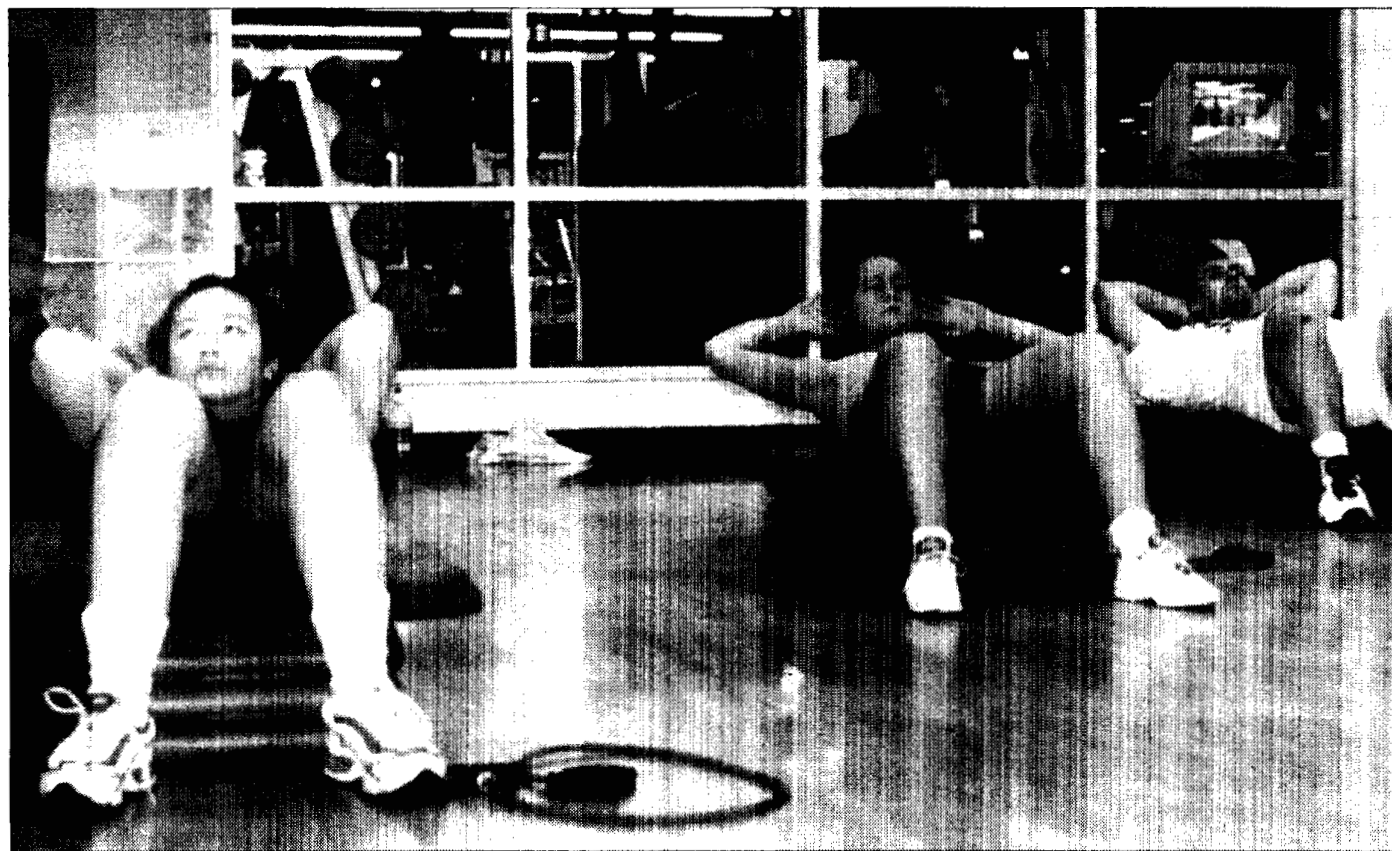


# UBC REPORTS

Volume 45, Number 1

January 7, 1999

Find UBC Reports on the Web at [www.publicaffairs.ubc.ca](http://www.publicaffairs.ubc.ca)



Susan Stern photo

## Strong Stomachs

UBC students start the new year with a return to fitness classes as well as studies after the holiday break. UBC Campus Aerobics in the Student Recreation Centre studio offer a variety of aerobics classes Monday to Friday for students, faculty and staff. An unlimited pass for one term is \$80 or \$7 for a single visit. A wide range of recreational sports activities are offered on campus to help while the winter away. For more information call 822-6000.

## Student to be B.C.'s Rhodes Scholar

UBC Physics graduate student Murray McCutcheon is B.C.'s latest Rhodes Scholar.



McCutcheon

McCutcheon, who also holds an undergraduate degree in honours Physics from UBC, will pursue a two-year program in philosophy, politics and economics at Oxford.

"I hope to broaden my perspective of the human world beyond my focused research of the physical world," he says.

McCutcheon will complete his master's degree in Physics at UBC this year. He studies the optical properties of semiconductors — substances that have partial conductivity and are used in integrated circuits and transistors.

In addition to his academic pursuits, McCutcheon is a competitive triathlete. He has been a regular participant in UBC Intramural sports triathlons and was a member of the Canadian national team.

He has also served as a representative of the Physics Dept. for the Graduate Student Society.

McCutcheon's UBC awards include the President's Entrance Scholarship and the Rudi Haering Medal for earning the highest academic standing in his undergraduate Physics class.

The Rhodes Scholarship provides all expenses for two years of study at Oxford University, with an option for a third year. There are 11 scholarships awarded across Canada with one allocated to B.C.

It requires a high level of scholastic achievement, accomplishment in sport, strong qualities of leadership and demonstrated public service.

## Doors open wide to graduates of Commerce's management program

by Susan Stern

Staff writer

At 33, UBC Commerce graduate Jacki Hoffman-Zehner is one of the youngest people to make managing director at one of the most prestigious investment banks in New York, Goldman-Sachs.

Then there's Paul Lee. At 34, he's the Burnaby-based senior vice-president and chief operating officer for Worldwide Studios, Electronic Arts. For the past two years, the company, headquartered in California, has led Nintendo, Sony and Microsoft in computer game sales.

The doors to major investment firms and corporations at home and abroad have opened to gifted graduates like Hoffman-Zehner, Lee and some 84 others who have participated in the Faculty of Commerce and Business Administration's Portfolio Management Foundation (PMF) program.

"They know how to use their intelligence," says Prof. Robert Heinkel, supervisor of the program. "Our students simply tend to have the right stuff."

Out of 80 applicants from the Commerce faculty, only six to nine students are selected each year for the two-year extra-curricular program. Selection is

based on intellectual ability, interpersonal and leadership skills as well as career motivation in capital markets.

"When we started in 1986, there was nothing like this program in Canada," says Heinkel.

Today programs with similar objectives exist at McGill University and the University of Calgary.

The program aims to shape those who are accepted in both the ethics and workings of capital markets.

"The idea is to teach them appropriate behaviour and how to work within organizational relationships to prevent big mistakes in the future," says Heinkel.

After they have finished their second

See **DOORS** Page 2

## Watch for UBC Reports reader survey next issue

A reader survey will appear in the next issue of *UBC Reports*.

Copies will also be distributed to faculty, staff and members of the community by mail.

Results from the survey will help shape future issues of *UBC Reports*

and communications at UBC.

Twenty-one times a year, 12,000 copies of *UBC Reports* are distributed to the campus, UBC's teaching hospitals, public libraries and other institutions.

We encourage you to respond to the survey and welcome your comments.

## Inside

### Space Ace

3

A Radiology resident sees his experiment launched into outer space.

### At Stake

8

Forum: Agricultural Sciences Dean Moura Quayle stands up for B.C. food.

"bacteria hidden  
in sludge"

BILL MOHN

Microbiology and Immunology Dept.  
Pulp and Paper Centre

Think  
About It.

UBC RESEARCH  
[www.research.ubc.ca](http://www.research.ubc.ca)

# Doors

Continued from Page 1

year of Commerce, students in the program spend the summer as interns at the best brokerage houses in Toronto. They spend their second summer working at investment management companies in Vancouver.

The internships drop them right into the action. They work on company trading floors, do market research, write reports for analysts and attend workshops with top market experts hand-picked by UBC Commerce professors. All the while they network with the best in the capital market business.

Most of the students are just 19 or 20 when they are handed a ticket to Toronto for their first internship.

"We throw them into the pool and expect them to swim," Heinkel says. "When they come back in August the difference is astounding."

It can be an intimidating transition, says Keith Eadie, now in the program's second year.

"One summer I worked at a golf course and the next summer I found myself meeting high-ranking people in the heart of the financial industry," he says.

When the students return to UBC in the fall, they assist senior students in the operation of the Foundation program's now \$2.2-million investment portfolio. They take over management of the PMF portfolio the following year.

The students decide what securities to buy and sell. Performance measurement firms in Toronto and Vancouver review their overall results.

Since 1986, their management has helped take the portfolio from its starting point of \$300,000. Donations have boosted it a further \$1 million. The earnings fund the program's activities, including an annual report, student airfares to Toronto, computers and other of-ice overhead expenses.

Of the program's 86 graduates, 35 work in Vancouver firms, 17 are in Toronto, one in Montreal, 11 in New York, 10 in London and others are established in solid careers in Hong Kong, Sydney and Israel.

## Calling all UBC Authors!

Are you the author of a book, or the creator of a video, cd, cd-rom, or electronic book published between January 1998 and December 1998?

If so, we would like to hear from you so that you can be included in the 9th Annual Reception for UBC Authors.

This reception, hosted by President Martha Piper and University Librarian Catherine Quinlan will be held March 23, 1999.

If you are a UBC author, please contact Margaret Friesen Main Library, Room 501 1956 Main Mall 822-4430/fax:822-3335 e-mail: mfriesen@interchange.ubc.ca by January 20, 1999.

**Biomedical Communications**  
Dedicated to educational media & audio visual services

**MEDIA SALES:**  
• full range of AV supplies  
Phone 822-4319 to receive your free catalogue!

**AV EQUIPMENT RENTAL:**  
• projectors, screens, PA systems, VCRs, LCD panels, etc.

**IMAGING SERVICES:**  
• slides, LARGE format colour printing, colour photocopies prints

**ART & GRAPHICS:**  
• illustration and design, computer graphics, web design

**PHOTOGRAPHY:**  
• clinical & scientific to PR, plus film processing

**TV & MEDIA PRODUCTION:**  
• complete production facilities and services  
• multi-media support services

UNIVERSITY BOULEVARD  
HEALTH SCIENCES MALL  
WOODWARD IRC  
MEMORIAL MALL  
BASEMENT OF THE WOODWARD IRC BUILDING

**Come down and see us!**  
We are in the IRC building Rm B32  
2194 Health Sciences Mall  
Phone: 822-5561 • Fax: 822-2004  
E-mail: biocomm@unixg.ubc.ca  
visit our WEB page: www.biomedcomm.ubc.ca

**Biomedical Communications**

Full colour laser prints,  
colour photocopies & transparencies.  
Bring in your digital files or colour originals  
and we will provide colour prints or photocopies

*A New Service!*

Phone 822-5769 for more information.

THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Medicine**  
**Associate Dean**  
**Undergraduate Medical Education - Student Affairs**

Applications/nominations are invited for the position of associate dean, Undergraduate Medical Education - Student Affairs. This position is expected to be filled by an internal candidate and is available July 1, 1999.

The incumbent will report to the dean of Medicine and through the dean is accountable to the Faculty Executive Committee, the committee of department heads and school directors, and the faculty. The successful candidate will administer the faculty's undergraduate education in the area of student affairs. Responsibilities include: liaising with the decanal team and faculty executive regarding student affairs; providing academic and personal counselling to all medical students; providing career counselling programs; directing the mentor program and chairing the Mentor Executive Committee; acting as co-director of the Academic Advisory Program, Undergraduate Curriculum, Faculty of Medicine and Dentistry, with the associate dean, Undergraduate Education, Faculty of Dentistry; supporting all student activities; representing the medical undergraduate program of the Faculty of Medicine at national and international meetings with regard to student affairs; supporting the associate dean, MD Undergraduate Program, in curricular affairs and participating in the major committees of the undergraduate curriculum. This is approximately a half-time position.

UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply.

Deadline for receipt of applications is Feb. 15, 1999. Please direct your applications along with the names of three referees, and nominations to:

Dr. John A. Cairns, MD, FRCPC  
Dean, Faculty of Medicine  
Room 317, Instructional Resources Centre  
University of British Columbia  
2194 Health Sciences Mall  
Vancouver, B.C. V6T 1Z3

## GREEN VISITING PROFESSOR IN RESIDENCE



1999-2000 and Subsequent Years

Nominations are invited for the position of Cecil H. and Ida Green Visiting Professor in Residence. Nominees must be exceptional researchers from outside UBC whose work has the potential for significant impact in more than one discipline. The appointee will live at Green College for three months and conduct a seminar under the auspices of the Individual Interdisciplinary Studies Graduate Program. The first appointment will be made in 1999.

For detailed terms and procedures, contact Rosanne Rumley at Green College, 6201 Cecil Green Park Road, Campus Zone I or vsp@interchange.ubc.ca or fax to 822-8742.

**Wax - it**  
**Histology Services**

Providing Plastic and Wax sections for the research community

George Spurr RT, RLAT(R)      Kevin Gibbon ART FIBMS

Phone (604) 822-1595      Phone (604) 856-7370  
E-mail spurrwax@univserve.com      E-mail gibbowax@univserve.com

Web Page: www.univserve.com/wax-it

**Edwin Jackson B.Sc., CFP**      Retirement Income & Financial Planning  
*Certified Financial Planner*      Annuities, Life Insurance  
4524 West 11th Avenue 224 3540      RESP's, RRSP's, RRRIF's

My interest is in the future, because I'm going to be spending the rest of my life there. C. Kettering

**CFP™**      Ascot Financial Services Limited Mutual Funds

**Berkowitz & Associates Consulting Inc.**

Statistical Consulting

• research design • data analysis • sampling • forecasting

Jonathan Berkowitz, Ph.D

4160 Staulo Crescent, Vancouver, B.C., V6N 3S2  
Office: (604) 263-1508      Fax: (604) 263-1708

**UBC REPORTS**

UBC Reports is published twice monthly (monthly in December, June, July and August) for the entire university community by the UBC Public Affairs Office, 310 - 6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1. It is distributed on campus to most campus buildings.

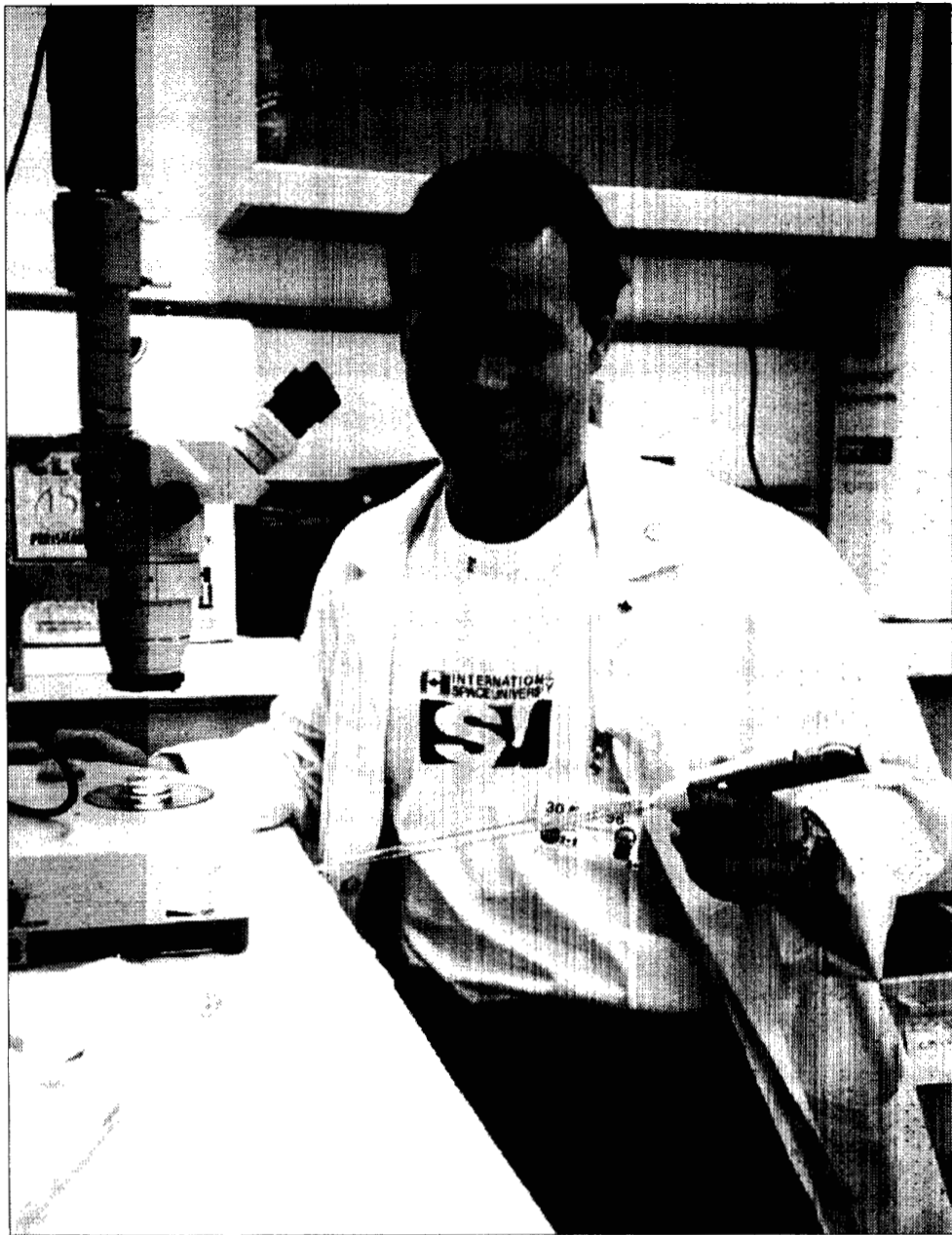
UBC Reports can be found on the World Wide Web at http://www.publicaffairs.ubc.ca

**Managing Editor:** Paula Martin (paula.martin@ubc.ca)  
**Editor/Production:** Janet Ansell (janet.ansell@ubc.ca),  
**Contributors:** Susan Stern (susan.stern@ubc.ca),  
Hilary Thomson (hilary.thomson@ubc.ca).  
**Calendar:** Natalie Boucher (natalie.boucher@ubc.ca)

Editorial and advertising enquiries: (604) UBC-INFO (822-4636) (phone), (604) 822-2684 (fax). UBC Information Line: (604) UBC-INFO (822-4636)

UBC Reports welcomes the submission of letters and opinion pieces. Opinions and advertising published in UBC Reports do not necessarily reflect official university policy.

Material may be reprinted in whole or in part with appropriate credit to UBC Reports.



**Radiology resident Kevin Forkheim's experiment was one of two designed by UBC researchers that were taken into space recently by the space shuttle Discovery. The experiment, in which astronauts tested the effect of vitamin D on bone loss, may aid in the treatment of osteoporosis. Results from the second experiment, designed by Pathology and Laboratory Medicine Prof. Don Brooks, will be used to improve techniques for separating healthy cells from diseased ones in bone marrow transplantation. Brooks' experiments have flown on four shuttle missions.**

## Shuttle blasts student research into space

by Hilary Thomson

Staff writer

UBC Radiology resident Kevin Forkheim's research is really taking off — into space, that is.

Forkheim's osteoporosis research project was recently launched aboard NASA's space shuttle Discovery.

Astronauts conducted a four-day test to see if a vitamin D derivative can help reverse the bone loss that occurs in microgravity.

"Astronauts lose up to two per cent of bone mass per month in space," says Forkheim, who started his five-year residency in July. "We want to be able to keep astronauts healthy on longer journeys such as missions to Mars which may take more than two years to complete."

Information gained from the space experiment may aid the development of osteoporosis treatment on Earth. The bone loss that occurs in space is identical to that experienced by osteoporosis patients except it occurs more quickly in space, says Forkheim.

Loss of gravity in space reverses the body's natural programming to build bone that can bear weight and strain.

Part of NASA's studies on aging, the experiment involved introducing the vitamin derivative to bone-building cells or osteoblasts that were taken from mice. It is hoped that the vitamin can help osteoblast cells function better in space.

The experiment builds on an earlier project, carried on the November 1996 space shuttle Columbia, which showed

the osteoblasts reproduced and processed nutrients more slowly than on Earth. The cells also changed their structure in space.

That experiment earned Forkheim a prize as first runner-up for the Aerospace Medicine Association's Young Investigator of the Year award last spring.

About 1.5 million Canadians suffer from osteoporosis.

The disease is characterized by loss of bone mass and deterioration of bone tissue.

One in four women and one in eight men over the age of 50 get the disease, which leads to increased bone fragility and fractures — most often at the spine, wrist or hip.

"About 70 per cent of hip fractures are due to osteoporosis," Forkheim says. "Between 20 and 30 per cent of patients who sustain a hip fracture die within the year from complications related to the fracture."

Forkheim, who also holds a master's degree in Computer Science, says he has also been a space enthusiast.

Also interested in artificial intelligence in medicine, he won a Medical Research Council scholarship to attend the International Space University in Vienna to contribute to the design of a computerized medical centre in space.

The International Space Station and astronauts on missions of long duration would use the centre to treat and prevent medical problems in space.

Forkheim is conducting the osteoporosis experiment with a gynecology researcher in Israel.

## Student workshop set to improve tolerance

by Hilary Thomson

Staff writer

Despised, scorned and denied respect.

These words from Canada's criminal code describe the victims of hate crime, the focus of a new program offered by the Women Students' Office (WSO).

The awareness and education workshop, called Not On Our Campus, was launched after racist graffiti was scrawled across a WSO poster promoting the Women of Colour Mentoring Network.

"We wanted to respond to this type of intolerant act as a community," says Begum Verjee, WSO counsellor and co-chair of the Not On Our Campus Committee, which has representatives from across campus.

Addressing these acts through the Safer Campus Peer Education Program is a good fit since these issues are safety issues, Verjee says.

The workshop to help the campus community gain a better understanding of hate crime, identify acts of intolerance, help individuals deal with the trauma of being targeted and provide information on resources.

Kyra Pretzer heads the student committee that developed the workshop.

"We want to take a stand against certain attitudes and beliefs to make this a toxic-free environment where everyone can be comfortable with and respectful of others," says Pretzer, a fourth-year Sociology student.

The Not On Our Campus workshop identifies a broad spectrum of intolerance, says Pretzer. It will also offer strategies to respond to acts of intolerance, including a campus phone list for reporting incidents.

The Not On Our Campus Committee aims to develop a data bank of reported incidents that will provide a detailed, objective picture of hate crimes at UBC.

Committee members recently invited

Sgt. Rick McKenna of the Vancouver City Police Dept.'s hate crime team to talk to the UBC community about hate crimes.

Racism, discrimination and hate crime can be grouped to form a pyramid, says McKenna.

At the bottom of the pyramid are individual prejudicial thoughts, stereotyping and acts of prejudice such as avoidance of disliked groups. These are issues that can be addressed through community education and action, he says.

Illegal acts comprise other levels of the pyramid. These acts range from discrimination and exclusion of privileges to assault, terrorism and genocide.

In 1998 the hate crime team received 98 motivated reports in B.C. that are motivated by prejudice, McKenna says.

One reported hate crime has occurred at UBC since the team was established

18 months ago. Unreported racism and other forms of graffiti have appeared on campus in the same period according to committee members.

B.C. law de-

finies hate crime as a criminal offence committed against a person or property that is motivated by a prejudice or bias against identified groups on the basis of race, nation of origin, religion, gender, sexual orientation, age, colour, language or mental or physical disability.

If students, faculty or staff witness or believe they are the targets of intolerance, they can contact Safer Campus coordinators at the WSO, deans and heads of units, the Equity Office or the RCMP.

"This is a battle we're all in together," says WSO counsellor Laurie Minuk who co-chairs the Not On Our Campus Committee. "We don't want to leave targeted groups on their own — we want to provide a united response."

Not on Our Campus workshops for students start this month. For further information on the workshops call the WSO at (604) 822-2415.

**"We don't want to leave targeted groups on their own."**

— Laurie Minuk, WSO counsellor

## Wreck to give lessons in literary life

A new all-student literary magazine with a catchy title is coming to UBC in the new year.

*Wreck* magazine will feature the best in UBC student creative writing and visual art.

"We know many students write fiction, poetry and drama. We want to give them a chance to be published in a professional quality magazine," says Pam Galloway, *Wreck's* editor and a Creative Writing graduate student.

"We're also looking for artwork and photographs that will reproduce well in black and white."

The production of *Wreck* is part of a master's level course launched in 1997 which is aimed at teaching both the theory and practice of magazine publishing with an emphasis on literary and small magazines.

Galloway and 10 other Creative Writing students make up *Wreck's* staff.

"We're trying to give students an idea of how small magazines operate," says

Andrew Gray, sessional instructor of Small Magazine Editing and Publishing in the Creative Writing program.

Galloway and two assistant editors will read and review submissions.

The best work will be included in the magazine. Fiction pieces up to 3,000 words will be accepted and a maximum of 10 pages for poetry. Drama entries, such as monologues or excerpts from plays, should be no longer than 15 pages.

Gray says they are aiming for 100 copies of the first issue of *Wreck* in March. It will be distributed across campus and possibly in a few local book stores.

Submissions should be sent to The Editors, *Wreck*, Creative Writing, Buchanan E-462, 1866 East Mall, Vancouver, B.C. V6T 1Z1. E-mail: wreck\_magazine@hotmail.com

For submission guidelines check the Web site at [www.arts.ubc.ca/cwrw/wreck](http://www.arts.ubc.ca/cwrw/wreck).

# Calendar

## January 10 through January 23

### Sunday, Jan. 10

#### Green College Performing Arts Group

Chamber Music For Piano, Violin And Cello. Green College at 8pm. Call 822-1878.

### Monday, Jan. 11

#### Mechanical Engineering Seminar

Accessing The Digital Library - Finding Mechanical Information Electronically. Joy Kirchner, reference librarian. CEME 1204 from 3:30-4:30pm. Refreshments. Call 822-3770.

#### Biochemistry And Molecular Biology Seminar

A Novel System For Translocating Folded Proteins Across Cell Membranes. Joel Weiner, Medicine and Oral Health Sciences, U of Alberta. IRC #4 at 3:30pm. Refreshments. Call 822-0789.

#### Astronomy Seminar

Ultraluminous Infrared Galaxies And The Origin Of Nuclear Activity. Sylvain Veilleux, U of Maryland. Hennings 318 at 4pm. Refreshments at 3:30pm. Call 822-2267.

#### Member Speaker Series

A Walk Through A Slum. Tariq Bhanjee, School of Community and Regional Planning. Green College at 5:30pm. Call 822-1878.

#### Thematic Lecture Series

Soft Computing Control Of Complex Systems. Mo Jamshidi, U of New Mexico. Green College at 7:30pm. Call 822-1878.

#### St. John's College Speaker Series

The Baby Bloomers. Kazutoshi Kase, Economics, U of Tokyo. St. John's College Fireplace Lounge, at 8pm. Call 822-8788

### Tuesday, Jan. 12

#### Health Promotion Research Seminar

Death On The Downhill: A Six-Year Review Of Alpine Skiing And Snowboarding Fatalities In B.C. Robert Cadman, Edith Cowan U. IRC #4 from 12:30-1:30pm. Call 822-2258.

#### Biotechnology Laboratory Seminar

Insights Into The 'Uneasy Alliance' Between Hosts And Their Cooperative Bacterial Partner. Margaret McFall-Ngai; Edward Ruby, U of Hawaii. Westbrook 100 at 12:30pm. Refreshments. Call B. Finlay at 822-2210.

#### Botany Seminar

Rapid Intercellular Signaling And Regulation Of Gene Expression In The Wound Response. Bratislav Stankovic, North Carolina State U. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

#### Green College Speaker Series

Priorities For Cutting Canadian Taxes. Jon Kesselman, Economics. Green College at 5pm. Reception to follow. (Please note new format/time.) Call 822-2878.

### Wednesday, Jan. 13

#### School Of Music Concert

Wednesday Noon Hours. Beth Orson, oboe; Larry Knopp, trumpet; Terence Dawson, piano. Music Recital Hall at 12:30pm. \$3 at the door. Call 822-5574.

#### Lung Research Symposium

Advances In Lung Research. Various speakers. Plaza 500 Hotel,

500 W. 12th Ave. from 1-6pm. To register call 875-5470.

#### Obstetrics And Gynecology Research Seminar

In Vivo Ovarian Responses To Recombinant FSH With And Without Recombinant LH In Polycystic Ovary Syndrome. Dr. Anthony Cheung, B.C.'s Women's Hosp. 2N35 at 2pm. Call 875-3108.

#### Geophysics Seminar

Geochemistry Of Okanagan Wine. John Greenough, Okanagan College. Geophysics/Astronomy 260 at 3:30pm. Call 822-3278.

#### St. John's College Speaker Series

A Quiet Invasion: Japanese Pop Culture Influences Around The World. Sharalyn Orbaugh, Asian Studies. St. John's College 1080 at 5:15pm. Call 822-8788.

#### History And Memory Lecture Series

When History And Memory Collide: Aboriginal Racial Intermixture On The British Columbia Frontier. Jean Barman, Educational Studies. Green College at 7:30pm. Call 822-1878.

### Thursday, Jan. 14

#### Health, Safety And Environment Course

Occupational First Aid Level 1. Vancouver Fire Hall #10, 2992 Westbrook Mall, from 8:30am-4:30pm. \$90 includes CPR level A certification. To register, call Pamela Rydings 822-2029.

#### Earth And Ocean Sciences Colloquium

TBA. Tom Pedersen. GeoSciences 330-A at 12:30pm. Call 822-3278.

#### Sing Tao School Of Journalism Informal Talk

Brown Bag Lunch. Beverley Sinclair, editor, *The Georgia Straight*. Sing Tao 104 from 12:30-2pm. Call 822-6688.

#### Fine Arts Lecture

Assimilations's Terror: Walker Evans' Depression And The Trauma Of Photography. Eric Rosenberg, art historian, Tufts U. Lasserre 102 at 12:30pm. Call 822-2757.

#### Physics And Astronomy Colloquium

Beta-Decay Studies In Laser Trap. John Behr, TRIUMF. Hennings 201 at 4pm. Refreshments Hennings 325 at 3:45pm. Call 822-2137.

#### First Nations Discussion Circle

Woman Of The Lake And Other Pieces: A Reading. Duane Niatum, Native American poet; storyteller. Green College at 5pm. Call 822-1878.

### Friday, Jan. 15

#### Health Care And Epidemiology Rounds

Assessing Bioaerosols In Elementary School Settings? Or Hey, Lady, Are You Going To Shut The School Down? Karen Bartlett, Interdisciplinary Studies. Mather 253 from 9-10am. Call 822-2772.

#### Pediatric Grand Rounds

End Of Life Care In Children. Joe Custer. GF Strong Aud. from 9-10am. Call Ruth Giesbrecht 875-2307.

#### Fish 500 Seminar

First Nations' Ocean Interests And Marine Protected Areas. Russ Jones, Haida Fisheries Program. Hut B-8, Ralf Yorque Room at 11:30am. Refreshments at 11am. Call 822-4329.

#### Medical Genetics Seminar

Prolidase Deficiency: Rare But Compelling. Dr. Peter Hechtman. B.C.'s Children's Hosp D-308 at 12noon. Call 822-5312.

#### Pharmaceutical Sciences Seminar

Cardiac Lipoprotein Lipase. Friend Or Foe In The Supply Of Fatty Acids To The Diabetic Heart. Brian Rodrigues. Cunningham 160 from 12:30-1:30pm. Call 822-7795.

#### Classics And Women's Studies Lecture

Divine Cunning: The Rebellions Of Hera, Demeter And Aphrodite. Ingrid Holmberg, U of Victoria. Buchanan D-202 at 12:30pm. Call 822-2889.

#### Germanic Studies Lecture

Literature After Death. Kristien Hemmrechts, author. Buchanan Penthouse at 12:30pm. Call 822-6403.

#### Occupational Hygiene Program Seminar Series

Development Of A Health Hazard Assessment Standard For Repeated Mechanical Shock. Dan Robinson, ergonomist, Human Factors Group, B.C. Research. UBC Hosp. Koerner Pavilion G-279 from 12:30-1:30pm. Call 822-9302.

#### Adidas Noon Run: Resolution Ramble

SUB North Plaza from 12:40-1:15pm. Call 822-6000 or Web site [www.intramurals.ubc.ca](http://www.intramurals.ubc.ca).

#### Equality, Security And Community Colloquium

Emmett Hall, Meet Robin Hood: The Redistributive Consequences Of Tax-Finance Health Care. Bob Evans, Economics. Green College at 3:30pm. Call 822-1878.

#### Chemical Engineering Seminar

The Use Of Polyethylene Oxide As Retention Aid In Papermaking Using Mechanical Pulps. Peter Pang, ChemEng 206 at 3:30pm. Call 822-3238.

#### Classics And Women's Studies Seminar

The Feminine Wiles Of Pandora: Sex And Gender In Hesiod. Ingrid Holmberg, U of Victoria. Buchanan Penthouse at 4:30pm. Call 822-2889.

#### Thunderbird Women's Volleyball

Vs. University Of Alberta. War Memorial Gym at 6:15pm. Continues Jan. 16 at 8pm. Adults \$7; Youth /Seniors \$4; UBC Students \$3; Children under 12 free. Call 822-2473 (UBC-BIRD) or Web site [www.athletics.ubc.ca](http://www.athletics.ubc.ca).

#### Thunderbird Men's Volleyball

Vs. University Of Alberta. War Memorial Gym at 8pm. Continues Jan. 16 at 6:15pm. Adults \$7; Youth/Seniors \$4; UBC Students \$3; Children under 12 free. Call 822-2473 (UBC-BIRD) or Web site [www.athletics.ubc.ca](http://www.athletics.ubc.ca).

### Saturday, Jan. 16

#### Gallery Exhibition

Emily Carr/Jack Shadbolt: Heart Of Darkness. Paintings/drawings from the Belkin Art Gallery. Or Gallery, 112 W. Hastings from 12-5pm. Continues to Feb. 27. Closed Sunday, Monday. Call 683-7395.

### Sunday, Jan. 17

#### Masters Swim Meet

UBC Aquatic Centre from 7am-5pm. Call 822-6000 or Web site [www.intramurals.ubc.ca](http://www.intramurals.ubc.ca).

#### School Of Music Concert

Pacific Baroque Orchestra. Music Recital Hall at 2pm. Call 822-5574.

### Monday, Jan. 18

#### Brown Bag Lunch/ Interactive Video Series

Graduate Student Supervision. David Lam basement seminar room from 12:30-1:30pm. Refreshments. Call 822-9149.

#### Institute Of Applied Mathematics Colloquium

Non-Linear Descriptor Systems. Prof. Stephen L. Campbell, North Carolina State U. CSCI 301 at 3:30pm. Call 822-4584.

#### Mechanical Engineering Seminar

Engineering Research At Universities: Issues In Dealing With Industry. Anoush Poursartio, associate dean, Research, Applied Science. CEME 1204 from 3:30-4:30pm. Refreshments. Call 822-3770.

#### Astronomy Seminar

The Evolution Of Clusters And Their Galaxy Population As Probed In HI. Jacqueline Van Gorkom, Columbia U. Hennings 318 at 4pm. Refreshments at 3:30pm. Call 822-2267.

#### Intersecting Asian Sexualities Series Lecture

But Isn't It Sexual? The Freudian Slip Beneath The Ethnographic Gaze. Laurel Kendall, American Museum Of Natural History. CK Choi 120 from 4-5:30pm. Call 822-4688.

#### Member Speaker Series

Stress Less: The Role Of Cognitive Appraisals In The Stress Process. Jodi Morris, Counselling Psychology. Green College at 5:30pm. Call 822-1878.

#### Slide Show And Discussion

Working Abroad With Medecins Sans Frontieres/Doctors Without Borders. Dr. David Moore. Vancouver Public Library, central branch, Alma VanDusen Room at 7:30pm. Call 732-0673.

#### Science And Society

The Culture Of Mania. Emily Martin, Anthropology, Princeton U. Green College at 8pm. Call 822-1878.

#### St. John's College Speaker Series

Explaining The Emergence Of The Modern Industrial Economy: Why Was England First? Alex Whalley, Economics. St. John's College, Fireplace Lounge at 8:00 pm. Call 822-8788

### Tuesday, Jan. 19

#### Botany Seminar

Discrimination Between Self And Nonself: The Het-C Mediated Vegetative Incompatibility In *Neurospora Crassa*. Jennifer Wu.

BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

#### Microbiology And Immunology Seminar

New Avenues For The Development Of Broad-Based Antipathogenic Drugs. Francois Jean, Vollum Institute. Westbrook 100 from 12:30-1:30pm. Call 822-3308.

#### Centre For Chinese Research Seminar

Urban Sustainability In China: Problems And Evaluation. Yin Yongyuan. CK Choi 129 from 12:30-2pm. Call 822-2629.

#### Oceanography Seminar

Egg Production Of Calanus Finmarchicus In The Western North Atlantic. Robert Campbell. BioSciences 1465 at 3:30pm. Call 822-3278.

#### Green College Speaker Series

Community And Social Order In The Great Tew Circle. Paul Stanwood, English. Green College at 5pm. Reception to follow. (Please note new format/time). Call 822-1878.

### Wednesday, Jan. 20

#### Centre For Japanese Research Seminar

The Nature Of Financial Crisis In Asia. Masaru Yoshitomi, vice-chair, Research Institute, Long-term Credit Bank of Japan. CK Choi 120 from 10:30-11:30am. Call 822-2629.

#### School Of Music Concert

Wednesday Noon Hours. Campbell Ryga, saxophone; Ross Taggart, piano; Torben Oxbol, bass; Blaine Wikjord, drums. Music Recital Hall at 12:30pm. \$3 at the door. Call 822-5574.

#### Obstetrics and Gynecology Research Seminar

Calcium As A Second Messenger In Ovarian Cells. Pearly Lee. B.C.'s Women's Hosp. 2N35 at 2pm. Call 875-3108.

#### Geophysics Seminar

Bayesian Blocks: A New Method Of Data Analysis. Jeffrey Scargle, Ames/NASA. Geophysics/Astronomy 260 at 3:30pm. Call 822-3278.

#### Respiratory Research Seminar Series

Regional And Global Oxygenation In The Critically Ill. James Russell. VGH, doctors' residence, third floor conference room from 5-6pm. Call 875-5653.

#### Comparative Literature

Corrupt Language: The Metaphoric Production Of Desire In Elizabeth Smart's Poetry. Meira Cook. Green College at 5pm. Call 822-1878.

## 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 can be found at <http://www.publicaffairs.ubc.ca/reports>. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the Jan. 21 issue of *UBC Reports* — which covers the period Jan. 24 to Feb. 6 — is noon, Jan. 12.

# Calendar

## January 10 through January 23

**Theatre**  
Over The Moon. Meah Martin. Frederic Wood Theatre at 7:30pm. Continues to Jan. 30. Adult \$15; Student/Senior \$9. Call 822-2678.

### Thursday, Jan. 21

**Pathology Distinguished Lecture Series**  
Platelets: Going With The Flow (Flow Cytometric Analyses Of Platelets And Other Things). Dr. John Freedman, St. Michaels Hosp., Toronto. VGH, Eye Care Centre Aud. at 8am. Call Bruce Verchere at 875-2490.

**Fine Arts Lecture**  
Women Painters And The Arrangement Of Flowers. Ann Bermingham, UC-Santa Barbara. Lasserre 102 at 12:30pm. Call 822-2757.

**Earth And Ocean Sciences Colloquium**  
Glacio-Volcanic Interactions In Iceland. Helgi Bjornsson, U. of Iceland. GeoSciences 330-A at 12:30pm. Call 822-3278.

**Inter-Cultural Studies In Asia Seminar**  
The Hero's Walk. Anita Badami, writer in residence. CK Choi 120 from 1-2:30pm. Call 822-2629.

**Physics And Astronomy Colloquium**  
Large Scale Structure In The Universe: What Can We Learn? Marc Davis, UC-Berkeley. Hennings 201 at 4pm. Refreshments Hennings 325 at 3:45pm. Call 822-2137.

**CICSR Distinguished Lecture Series**  
Life After Geometric Modelling In CAD/CAM. Bahram Ravani, UC-Davis. CICSR/CS 208 at 4pm. Refreshments. Call 822-6894.

**UBC Winterfest**  
Pub Pictionary, Co-Rec Football, Cosmic Curling, Ice Sculpture, Cosmic Ice Skate. Wintersports Centre from 7:30-12:30pm. \$100/team. Register to Jan. 20. Call 822-6000 or Web site www.intramurals.ubc.ca.

### Friday, Jan. 22

**Health Care And Epidemiology Rounds**  
Social Inequality, Population Health And Housing. Jim Dunn, Centre for Health Services and Policy Research. Mather 253 from 9-10am. Call 822-2772.

**Pediatric Grand Rounds**  
Tuberculosis: Scientific And Artistic Representations. Dr. David Speert; Richard Cavell, English. GF Strong Aud. from 9-10am. Call Ruth Giesbrecht at 875-2307.

**Fish 500 Seminars**  
Increasing The Efficiency Of 'Pingers' To Reduce Cetacean By Catch In Commercial Fisheries; Trawl Discards And Seabirds In British Columbia: A Free Lunch For All? Kristin Kaschner, Zoology; Alasdair Beattie, Fisheries Centre. Hut B-8, Ralf Yorke Room at 11:30am. Refreshments at 11am. Call 822-4329.

**Occupational Hygiene Program Seminar Series**  
Gender And Technology: Accounting For Invisible Work In Job De-

sign. Ellen Balka, SFU. UBC Hosp.-Koerner Pavilion G-279 from 12:30-1:30pm. Call 822-9302.

**English Lecture**  
Sharon Pollock Reads From Her Plays. Sharon Pollock. Buchanan Penthouse at 12:30pm. Call 822-4225.

**Adidas Noon Run**  
Couch Potato Run. SUB North Plaza from 12:40-1:15pm. Call 822-6000 or Web site www.intramurals.ubc.ca.

**Chemical Engineering Seminar**  
Effect Of Average Flame Heat Flux On Rotary Kilns Processing Particulate Matters. Sanjiv Dhanjal. Chemical Engineering 206 at 3:30pm. Call 822-3238.

**Thunderbird Women's Basketball**  
Vs. University Of Victoria. War Memorial Gym at 6:15pm. Continues to Jan. 23. Adults \$7; Youth & Seniors \$4; UBC Students \$3; Children under 12 free. Call 822-2473 (UBC-BIRD) or Web site www.athletics.ubc.ca.

**Thunderbird Men's Basketball**  
Vs. University Of Victoria. War Memorial Gym at 7:45pm. Adults \$7; Youth/Seniors \$4; UBC Students \$3; Children under 12 free. Continues to Jan. 23. Call 822-2473 (UBC-BIRD) or Web site www.athletics.ubc.ca.

**Chan Centre Concert**  
Vancouver Symphony Orchestra. Keri-Lynn Wilson, conductor. Chan Centre Chan Shun Concert Hall at 8pm. Call Ticketmaster 280-3311 or 822-2697 for information.

### Saturday, Jan. 23

**Chan Centre Concert**  
Vancouver Symphony Orchestra. Keri-Lynn Wilson, conductor. Chan Centre Chan Shun Concert Hall at 8pm. Call Ticketmaster 280-3311 or 822-2697 for information.

**Vancouver In-Visible? Lecture**  
Will Theatre Survive? Sharon Pollock. Wright. IRC#2 at 8:15pm. Call 822-3131.

## Notices

**Language Programs**  
Registration is underway for conversational programs and language and culture courses in French, Spanish, Italian, Japanese, Mandarin, Cantonese, Arabic, Punjabi, Greek, Swedish, and Russian. Morning, afternoon, evening, and Saturday classes begin Jan. 23. Call 822-0800.

**Research Study**  
I am a grad student looking for families with an autistic child(ren) to answer a questionnaire regarding the effects of raising autistic children. The child must be seven years old or younger. Please call Keri Smalley 738-8025.

**University Exchange Programs**  
Applications will be accepted until Jan. 11, 1999. Call 822-0942 or Website www.international.ubc.ca.

**TRIUMF Public Tours**  
An 80 min. tour takes take place every Wednesday and Friday at 1:00pm. Free parking. Continues to Apr. 30. To arrange for a group tour call 222-7355 or Web site www.triumf.ca/.

**Volleyball**  
Faculty, Staff and Grad Students Volleyball Group. Every Monday and Wednesday. Osborne Centre Gym A from 12:30-1:30pm. No fees. Drop-ins and regular attendees welcome for friendly competitive games. Call 822-4479 or e-mail kdcs@unixg.ubc.ca.

**UBC Zen Society**  
Each Monday during term (except holidays) meditation session. Asian Centre Tea Gallery from 1:30-2:20pm. All welcome. Call 822-2573.

**UBC Campus Tours**  
The Student Recruitment Office offers guided walking tours of the UBC campus. The tour begins at 9:30am every Friday morning at Brock Hall. To book a tour please call 822-4319.

**Museum Of Anthropology Exhibition**  
Hereditary Chiefs Of Haida Gwaii; Attributed To Edenshaw: Identifying The Hand Of The Artist;

From Under The Delta: Wet-Site Archaeology In The Lower Fraser Region Of British Columbia. Call 822-5087.

**UBC Fencing Club**  
UBC Fencing Club meets every Wednesday 8:30-10:30pm, Friday 6-10pm and Sunday 3-7pm in Osborne Gym A. Learn decision making, poise and control. Newcomers welcome. Drop-in fee. Leave message at 878-7060.

**UBC Birding**  
Join a one-hour birding walk around UBC Campus, every Thursday at 12:30pm. Meet at the Rose Garden flagpole. Bring binoculars if you have them. For details, call Jeremy Gordon 822-8966.

**Female Volunteers**  
Daughters who have returned home to live with their parents are needed for a PhD psychology study. An interview at your convenience is required. Please call Michele 269-9986.

**Chan Centre Tours**  
Free tours of the Chan Centre for the Performing Arts are held every Tuesday. Meet in the Chan Centre main lobby at noon. Special group tours can be booked through www.chancentre.com or at 822-1815.

**Research Study**  
5-12 year old children are needed to participate in UBC Psychology research to learn more about the ways children respond to questions about cartoons and stories. Please call Dr. Johnston's lab at 822-9037.

**UBC Children's Art Program**  
UBC Art Education faculty invites children 7-12 years to participate in a unique art course Saturdays at the Vancouver Art Gallery (Jan. 30-March 13, 1999). Fee \$25. E-mail llackey@interchange.ubc.ca or call Lara Lackey at 822-5422.

**Thunderbird Winter Sports Centre**  
Public Skating 8:30am-4:30pm. \$3; free before noon for UBC students. Casual Hockey 8:30am-4:30pm. \$3.75/hr. M-F; free before noon for UBC students. Squash and Racquetball. UBC Staff \$7.50/court; UBC students \$6/court. For info call 822-6121.

### Statistical Consulting And Research Lab (SCARL)

SCARL offers long or short term statistical and analytical assistance to UBC researchers. Resources include expertise in many areas of statistical methodology and a variety of statistical software. Web site: www.stat.ubc.ca/~scarl, e-mail: scarl@stat.ubc.ca or call 822-4037.

### 50th Anniversary Law Review

The UBC Law Review is publishing a 50th anniversary commemorative issue and is looking for law school alumni and faculty to submit articles. Please contact the review at 822-3066; fax 822-4633 or e-mail: lawrev@interchange.ubc.ca for details. Submissions deadline is Jan. 15, 1999.

### Participants Needed

For a study involving public participation in B.C. environmental policies conducted by Eco-Risk Research Unit. We offer \$20 for 1.5 hours of your time. UBC staff and graduate students are particularly welcomed (fluency in English is required). If interested, please phone 822-0551 for more details.



THE UNIVERSITY OF BRITISH COLUMBIA

## Attention: UBC Faculty, Staff and Graduate Students

On-line Courses Start Monday, January 11, 1999, in

## Technology-Based Distributed Learning

For UBC Faculty, Staff and Graduate Students

DE&T will accept late registration up to January 15, pending maximum enrolment limits.

Experience the difference. You may enroll as a regular student (graded) or audit student (non-graded) and join us on-line for 13 weeks starting January 11, 1999, in one or both of the following graduate-level courses:

**ADED 501 (SOC.ISSUES)**  
"Social Issues in Technology-Based Distributed Learning"

**EDST 561g (SLCT&USE)**  
"Selecting and Using Technologies for Distributed Learning"

Over 100 post-secondary professionals and UBC graduate students are learning about technology-based distributed learning through this on-line, post-graduate, certificate program. Linked through the Internet from as many as 17 different countries, students interact with each other and their instructors via a course Web site to discuss issues in the field and collaborate on assignments. Participants should be highly proficient in English and comfortable with using email, Netscape 3.1 and a computer keyboard. Tutors include Tony Bates, Mark Bullen and Diane Janes, all from Distance Education and Technology, Continuing Studies, at UBC.

For course information and registration, visit the Web site: <http://itesm.cstudies.ubc.ca/info/>  
To ask about tuition waivers and other payments, email: [heather.francis@ubc.ca](mailto:heather.francis@ubc.ca)



The UBC Writing Centre offers six- or twelve-week non-credit courses emphasizing English writing for academic, technical and research purposes. Classes are held on the UBC campus.

**Writing 097: Introduction to Composition**  
Begins Saturday, Jan 16. \$245.

**Writing 098: Preparation for University Writing and the LPI**  
Day and time vary by section. \$245.

**Writing 099: Advanced Composition**  
Begins Wednesday, Jan 20. \$245.

**Report and Business Writing**  
Begins Tuesday, Jan 19. \$245.

**Getting Ahead with Grammar**  
Begins Saturday, Jan 23 or Tuesday, Feb 23. \$175.

**Speak Up!**  
Begins Saturday, Mar 6. \$175.

**Survival Skills for Academic Excellence**  
Begins Tuesday, Jan 19. \$175.

**The Practical Journal: Strategies for Composition**  
Begins Thursday, Feb 25. \$175.

**New for 1999...**

**Writing for Graduate Students**  
This six-week course helps graduate students with English as an additional language with their technical or academic theses, articles and reports.  
Begins Wednesday, Jan 20. \$175.

**Effective and Ethical Tutoring**  
Workshops offer senior undergraduate or graduate students the opportunity to extend their knowledge of tutoring at the university level. Tutors receive a written evaluation of their performance at the end of the course.  
Begins Tuesday, Jan 19. \$175.

**Information:**  
**822-9564**

[www.cstudies.ubc.ca/wc](http://www.cstudies.ubc.ca/wc)

**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 Jan. 21 issue of UBC Reports is noon, Jan. 12.

**Accommodation**

**POINTGREY GUESTHOUSE** 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 \$54 plus \$14/day for meals Sun-Thurs. Call 822-8660 for more information and availability.

**BAMBURY LANE** Bed and breakfast. View of beautiful BC mountains, Burrard Inlet and city. Clean, comfortable. Use of living room, dining room, and kitchen. Min. to UBC, shops and city. Daily, weekly and winter rates. Call or fax 224-6914.

**GAGE COURT SUITES** Spacious 1 BR guest suites with equipped kitchen, TV and telephone. Centrally located near SUB, aquatic centre and transit. Ideal for visiting lecturers, colleagues and families. 1999 rates \$85-\$121 per night. Call 822-1010.

**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: [farthing@uniserive.com](mailto:farthing@uniserive.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.

**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 221-0551.

**SABBATICAL IN PARIS?** Ideal fully furnished studio. Steps from new bibliotheque, bus, metro, shopping. Sep. kitchen. New TV/video stereo system. U/G parking. Generous closet space. Sept. '99-Jun. '00 or any five-month period. Reasonable rent. E-mail [cpfb@unixg.ubc.ca](mailto:cpfb@unixg.ubc.ca) or call 732-9016.

**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.

**CAMILLA HOUSE** Bed and Breakfast. Best accommodation on main bus routes. Includes television, private phone and bathroom. Weekly reduced rates. Call 737-2687. Fax 737-2586.

**SPACIOUS FURNISHED** one BR basement suite. Quiet, large cozy knotty cedar living room. Private entrance, shared laundry and garden, S. Granville location. Near bus to UBC or parking avail. \$750 per mo. incl. util., cable. N/S, N/P. Call 261-7153.

**DUNBAR/MACKENZIE HEIGHTS** new 2BR bright spacious garden-level suite, fenced patio, extra-large kitchen with D/W, plenty of cupboards, double sink, self-cleaning oven. Shared laundry. N/S. Refs. Children welcome. Feb. 1. Call 731-9519.

**AVAIL. IMMED.** One BR bsmt. suite, new home 11th and Carnarvon/Kits. Bright south-facing, lots of windows, high ceilings, private/sep. entrance, walkway. Fully furn., all appl, cable, util. incl. N/S, N/P, \$700/mo. Call 738-3894.

**For Sale**

**LASQUETI ISLAND RETREAT.** One-eighth share, 42 acres, south facing half-mile waterfront. Four miles walk from False Bay Ferry. Mature second growth forest. Ground water supply. For information call part-owner Carter at (604) 731-7755.

**Housesitting**

**RELIABLE HOUSESITTING FAMILY** Among the residences that we have cared for are those of university professors, musicians, consultants, family, and friends. We are working university graduates. Loving care for pets. Contact Julia and Dustin at [j\\_dlynx@direct.ca](mailto:j_dlynx@direct.ca) or 940-0548.

**Services**

**UBC FACULTY MEMBERS** who are looking to optimize their RRSP, faculty pension and retirement options call Don Proteau, RFP or Doug Hodgins, RFP of the HLP Financial Group for a complimentary consultation. Investments available on a no-load basis. Call for our free newsletter. Serving faculty members since 1982. Call 687-7526. E-mail: [dproteau@hlp.fpc.ca](mailto:dproteau@hlp.fpc.ca) [dhodgins@hlp.fpc.ca](mailto:dhodgins@hlp.fpc.ca)

**TRAVEL-TEACH ENGLISH** 5 day/40hr TESOL teacher certification course (or by correspondence March 10-14, June 23-27, Sept. 20-26, Nov. 24-28). 1,000s of jobs available NOW. FREE information package, toll free (888) 270-2941 or (403) 438-5704.

**ERUDITE** people do sometimes join singles groups. You'll find them at Science Connection. North America-wide. Contact us for info or register on-line: [www.sciconnect.com/](http://www.sciconnect.com/) or call (800) 667-5179.

**ADD INSPIRATION** and reduce boredom of your Monday to Friday cooking. Receive seasonal newsletters, great recipes, food information, cooking tips, and healthy eating ideas. Call Recipes to the Rescue and request a free newsletter 990-4593.



**THE UBC BIRDCOOP**  
In Conjunction with  
**THE UNIVERSITY OF BRITISH COLUMBIA**  
Proudly Presents

The 5th Annual

**INTERNATIONAL FITNESS, STRENGTH & CONDITIONING CONFERENCE**  
February 20, 1999

**IMAGE '99**

An intense, in-depth conference on  
**PRACTICAL TRAINING & NUTRITION FOR WEIGHT MANAGEMENT**

- a personalized approach

At The University of British Columbia in the Student Recreation Centre BirdCoop.



**PRINCIPLES BEHIND CONFERENCE '99 PRESENTATIONS**

- I**ndividual Considerations for Weight Loss & Hypertrophy
- M**etabolic Enhancements
- A**ge Related Factors
- G**ender Specific Issues
- E**xercise & Caloric Regulation

**CONFERENCE TOPICS INCLUDE**

- Why stand-alone fad diets don't work
- How to be healthy while training & eating to permanently control body fat
- When & why you should, or should not consider taking supplements
- What optimum weight you should aim for, while training for maximum athletic performance
- Which exercise routines you should follow for effective weight loss

**FOR REGISTRATION & FULL CONFERENCE DETAILS**  
FAX US YOUR NAME AND ADDRESS TO (604) 822-6086  
Conference Phone (604) 619-8849

<p><b>Monitor Repair</b></p> <ul style="list-style-type: none"> <li>• Free estimates in shop</li> <li>• Drive-in service. Full time technician on staff</li> <li>• Pick-up/Delivery avail.</li> <li>• Most major brands handled</li> <li>• Service you can trust</li> </ul>	<p><b>Notebook Rental</b></p> <ul style="list-style-type: none"> <li>• Toshiba pentium system with CD ROM &amp; Sound Card</li> <li>• \$50 per week</li> <li>• \$150 per month</li> </ul> <p><b>System Upgrade Pkg.</b></p> <ul style="list-style-type: none"> <li>• ASUS m/b, P 233 MMX &amp; VGA card \$460</li> </ul>	<p><b>Hard Drive Specials</b></p> <ul style="list-style-type: none"> <li>• 2.5 GB \$225 Installed</li> <li>• 3.2 GB \$235 Installed</li> <li>• 4.3 GB \$250 Installed</li> <li>• 6.4 GB \$300 Installed</li> <li>• 8.4 GB \$400 Installed</li> </ul> <p>Simple data transfer included</p>
---	--	---

**Alan Donald, Ph.D.**  
**Biostatistical Consultant**

---

*Medicine, dentistry, biosciences, aquaculture*

101-5805 Balsam Street, Vancouver, V6M 4B9  
264 -9918 [donald@portal.ca](mailto:donald@portal.ca)

**Bob Uttl, Ph.D.**  
**Statistical consulting**

Research design, analysis, & interpretation  
Structural equation modeling  
Experiments, clinical trials, surveys, imaging

Voice: 604-836-2758 Fax: 604-836-2759  
Email: [buttl@ibm.net](mailto:buttl@ibm.net)  
<http://www.neurexis.com>

# Deadlines 1999

DEADLINE AT NOON	Publication Date	Vol./ Issue	CALENDAR COVERS PERIOD:
Tues. Dec. 29	Jan. 7	45/01	Jan. 10-Jan. 23
Tues. Jan. 12	Jan. 21	45/02	Jan. 24-Feb. 6
Tues. Jan. 26	Feb. 4	45/03	Feb. 7-Feb. 20
Tues. Feb. 9	Feb. 18	45/04	Feb. 21-Mar. 6
Tues. Feb. 23	Mar. 4	45/05	Mar. 7-Mar. 20
Tues. Mar. 9	Mar. 18	45/06	Mar. 21-Apr. 3
Tues. Mar. 23	Apr. 1	45/07	Apr. 4-Apr. 17
Tues. Apr. 6	Apr. 15	45/08	Apr. 18-May 1
Tues. Apr. 20	Apr. 29	45/09	May 2-June 12
Tues. May 11	May 20	45/10	no calendar
Tues. June 1	June 10	45/11	June 13-July 10
Tues. June 28	July 8	45/12	July 11-Aug. 14
Tues. Aug. 3	Aug. 12	45/13	Aug. 15-Sept. 4
Tues. Aug. 24	Sept. 2	45/14	Sept. 5-Sept. 18
Tues. Sept. 7	Sept. 16	45/15	Sept. 19-Oct. 2
Tues. Sept. 21	Sept. 30	45/16	Oct. 3-Oct. 16
Mon. Oct. 4	Oct. 14	45/17	Oct. 17-Oct. 30
Tues. Oct. 19	Oct. 28	45/18	Oct. 31-Nov. 13
Tues. Nov. 2	Nov. 11	45/19	Nov. 14-Nov. 27
Tues. Nov. 16	Nov. 25	45/20	Nov. 28-Dec. 11
Tues. Nov. 30	Dec. 9	45/21	Dec. 12-Jan. 8

For further information please contact *UBC Reports* at the UBC Public Affairs Office. Phone UBC-INFO (822-4636). Fax 822-2684. 310-6251 Cecil Green Park Road, Vancouver, BC, V6T 1Z1.

# Calendar

*UBC Reports* carries a two-week calendar of UBC-sponsored events in each issue. Submissions are published free of charge and are accepted from all UBC departments. **To appear in the pertinent issue, submissions must be received by the deadline for that issue as noted in the accompanying Deadlines section.**

To submit an event for publication, please:

1. Type or clearly print your submission on the following form and limit it to 35 words.
2. Fax this form to the Public Affairs Office at 822-2684.

It is the submitting department's responsibility to ensure that all information is correct.

**Event:** Seminar    Lecture    Workshop    Concert  
(circle one) Other \_\_\_\_\_

**Date(s):** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Speaker(s):** \_\_\_\_\_  
(please specify: name, title, department and other affiliations)

**Building:** \_\_\_\_\_ **Room #:** \_\_\_\_\_

**Time:** \_\_\_\_\_ **Tel. # for information:** \_\_\_\_\_

**Additional Information:** \_\_\_\_\_  
(fees, refreshments, etc.)

**Submitted by:** Name \_\_\_\_\_  
Department \_\_\_\_\_  
Telephone \_\_\_\_\_

For further information please contact *UBC Reports* at the UBC Public Affairs Office. Phone UBC-INFO (822-4636). Fax 822-2684. 310-6251 Cecil Green Park Road, Vancouver, BC, V6T 1Z1.

You can also submit your item through the *UBC Reports* Web page at [www.publicaffairs.ubc.ca/reports/](http://www.publicaffairs.ubc.ca/reports/). You may also wish to submit your item to the Live@UBC Web page at [www.liveat.ubc.ca](http://www.liveat.ubc.ca).

## UBC REPORTS

## ADVERTISING RATES 1999

**Circulation:** 12,000

**Distribution:** Twice monthly on the UBC campus except once a month in June, July, August and December

**Mechanical Requirements**

Page Size: 260mm (W) x 390mm (H) (10.25" x 15.5")

Columns: five per page

Black and white copy only

**Display ad rates:**

\$15.50 per column inch, GST not included

Full page (260mm x 390mm, 10.25" x 15.5")	\$867.00
1/2 page (260mm x 195mm, 10.25" x 7.75")	\$579.00
1/4 page (152mm x 178mm, 6" x 7")	\$348.00
1/8 page (100mm x 120mm, 4" x 4.75")	\$156.00
1/16 page (48mm x 127mm, 1 7/8" x 5")	\$81.00
Business card (100mm x 50mm, 4" x 2")	\$65.00

**Classified ad rates:**

\$16.50 for 35 words or less, GST included. 50 cents for each additional word.

**Discounts:**

3-9 ads	10%
10+ ads	20%



**1/8**

2 columns (100mm) x 120mm

**\$156**

**1/16**

1 column (48mm) x 127mm

**\$81**

**1/4**

3 columns (152mm) x 178mm

**\$348**

**1/2**

5 columns (260mm) x 195mm

**\$579**

### Business card

2 columns (100mm) x 50mm

**\$65**

For advertising information call Public Affairs at (604) UBC-INFO (822-4636)

## Forum

# Stakes in the ground

by Moura Quayle

Moura Quayle is dean of the Faculty of Agricultural Sciences. Following is a summary of Stakes in the Ground, a report she prepared for B.C.'s Ministry of Agriculture and Food. Last month, Agriculture Minister Corky Evans appointed two new members to the Agricultural Land Commission in response to the report. The full report is on the ministry's Web site at [www.agf.gov.bc.ca](http://www.agf.gov.bc.ca).

Six months ago B.C.'s minister of Agriculture and Food asked me to review and report on what is meant by "provincial interest" under the Agricultural Land Commission (ALC) Act.

People from Dawson Creek, Creston, Williams Lake, Nanaimo and beyond voiced passionate and pointed opinions about the state of agriculture in B.C.

Comments ranged from "Young farmers cannot get the financing they need to buy the land" to "The ALR [Agriculture Land Reserve] is precious — no means no" and "How are communities going to grow if they cannot expand into the ALR?"

As we approach the millennium, issues of globalization, food safety and security, bio-regional ecology, sustainable communities, rural and urban community form and technological growth should be influencing our policy-making.

Therefore, we need a much broader approach to the future of agriculture. Preservation policies in isolation are not enough. However, when we are defining provincial interest in the agricultural land commission act and deciding if land should be taken out of the land reserve, the preservation argument holds strong.

The definition I propose recognizes that provincial interest is a province-wide public interest with long-term consequences.

The preservation of any resource is based on scarcity, sensitivity and difficulty of replacement. Agricultural lands are no exception.

Less than three per cent of B.C.'s land is capable of supporting agriculture. Just over one per cent is considered prime agricultural land and less than 0.01 per cent is capable of producing the tree fruit we associate with "grown-in-B.C. pride."

Before the agricultural land reserve was established in 1973, more than 6,000 hectares of prime agricultural land was lost to urban development each year.

Other uses for land in the agricultural reserve should only be considered if they cannot be relocated, or result in a "no net loss" to the area's agricultural capabilities — that is, replace the land in the reserve with an equal, larger or better agricultural site.

When cabinet reviews an application for inclusion, exclusion or designation change in the ALR, the decision-making process should be open and accountable. Some ways of accomplishing this include:

- Establishment of a provincial agrologist, similar to the provincial forester or provincial health officer;
- Requiring a written submission and comments from the commission at the beginning of a provincial interest referral;
- A discussion paper prepared by the board summarizing the application;
- Release of the board's report for public review before cabinet's decision. To ensure accountability, both the board and cabinet should be required to make their decisions relative to the new proposed definition of provincial interest and hold landowners accountable for exclusions by requiring specialized contracts making sure that the project proceeds as promised.

One of the concerns raised in the con-

sultations was that no one will want to farm in the future if we do not improve the conditions and rewards. And if no one wants to farm, how do we retain and increase our provincial food security — home-grown food?

Farmers no longer urge their children to follow in their footsteps. We need an immediate strategy to encourage young people to study agricultural-related professions and activities, and ways to encourage innovation in agriculture. How can people's creative ideas be supported and implemented?

I have recommended establishing a B.C. lands trust whereby citizens would be encouraged to donate land or cash assets to the trust to provide support for "beginning" farmers and for innovation.

We must renew the pride of a future in farming.

An agriculture infrastructure fund could recapture funds lost by changes to the ALR and support resident farmers and producers, thus creating jobs and turning agriculture into an even stronger economic generator. The fund would also support farmers in their roles as stewards of habitat and guardians of the environment.

There are many more questions. How do citizens find out about agriculture? How much do people actually know about where their food comes from? How safe is it and who produces it?

The agricultural sector has incredible potential for growth and job creation. Consumer demand for "whole" and organic foods is increasing.

There is an opportunity for British Columbia to lead the way in sustainable agriculture initiatives. This means we must fund basic agricultural research and balance it with applied industry-based research for innovative solutions in agriculture and food production.



Quayle

We have an incredible opportunity to expand an industry ranked as the third-largest employer in the province, larger than mining or fishing.

I also recommend combining the agricultural and forest land commissions as well as broadening the ALC's mandate to incorporate land management.

It is also timely for the ALC and B.C. municipalities to develop plans for marginal agricultural lands and evaluate potential changes on the basis of agricultural capability, no net loss and effects on adjacent agricultural lands.

Without the courage to hold firm, with stakes in the ground, there will be no incentive to face competing land uses.

We must halt the slow but steady erosion of our food resources and support our agricultural industries. We must dig in, take responsibility, and make sure that future generations have a vibrant agricultural land base.

## People

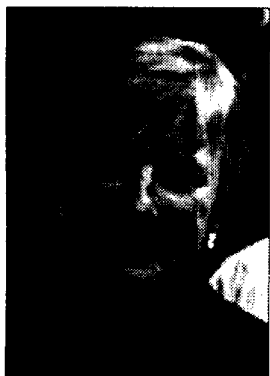
Associate dean of Arts **Neil Guppy** has been appointed associate vice-president, Academic Programs. Guppy, a professor of Anthropology and Sociology, will work with Barry McBride, vice-president, Academic and Provost, to develop and implement the academic plan, one of the strategies set out in Trek 2000, UBC's vision document.

New educational programs, a learner-centred curriculum and interdisciplinary and international opportunities are some of the goals of the plan.

Guppy joined UBC in 1979 and has helped develop various initiatives such as Imagine UBC, an orientation program for undergraduates, and a new co-operative education program for students in the Faculty of Arts.

Guppy's appointment is subject to approval by UBC's Board of Governors.

.....



Hirshfield

The 1998 President's Environmental Award was presented recently to **Joanne Hirshfield**, safety officer at UBC's 5000-hectare Malcolm Knapp Research Forest in Maple Ridge.

The award is given annually to a UBC employee for exceptional contributions towards environmental awareness and protection.

Hirshfield's accomplishments include addressing issues related to fuel storage tanks in the forest and assessing and identifying the potential environmental impacts of various forest activities.

.....

**Brian Evans** and **George McLaughlin** have been elected to four-year terms on the UBC Staff Pension Plan Board. Evans is electronic services manager at TRIUMF. McLaughlin is acting superintendent of facilities services in Plant Operations.

Their terms began Jan. 1.

## Achieving alumni sought for awards

UBC's Alumni Association is seeking nominations for its 1999 Alumni Achievement Awards.

The awards recognize the outstanding achievement of UBC graduates or honorary alumni whose work in research, civic, business, arts, community or athletic activities have reflected well on the university.

The Alumni Award for Research will be presented for the first time this year. The award recognizes a UBC graduate who has created economic or social benefits for the greater community through innovative research.

Nominations may also be made for: Alumni Awards of Distinction; Outstanding Young Alumnus Award; Honorary Alumnus Award; Blythe Eagles Volunteer Leadership Award; Outstanding Student Award; Faculty Citation Community Service Award; Lifetime Achievement Award; and the Branch Service Award.

Deadline for nominations is March 1. Nomination forms are available from the Alumni Association at (604) 822-3313 or at [www.alumni.ubc.ca/awards/aw-nom.htm](http://www.alumni.ubc.ca/awards/aw-nom.htm).

## Snow?

"The University will remain open during snow storms but may cancel or reschedule classes on a university-wide basis and/or curtail non-essential services in response to the conditions."—UBC Policy on Disruption of Classes/Services by Snow, May 1994

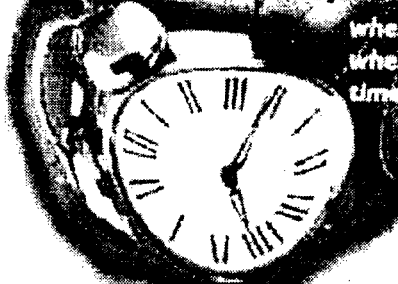
In the event of extreme snow conditions, listen to CBC Radio, CKNW and other local radio stations for information.



**SOLUTIONS AT THE RIGHT TIME!**  
...Think About It.

You're Invited...

To UBC Purchasing's 2nd Annual Trade Show  
Showcasing Scientific and  
Major University Suppliers.



When - UBC Memorial Gym  
When - January 29, 1999  
Time - 10:00 a.m. to 5:30 p.m.

- Door Prizes
- Admission
- Refreshments

To Register: [www.purchasing.ubc.ca/tradeshows/contents.htm](http://www.purchasing.ubc.ca/tradeshows/contents.htm)