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# ubc reports

THE UNIVERSITY OF BRITISH COLUMBIA

## Universities get boost in latest provincial budget

*Government gives more money to core funding and research while maintaining tuition fees at current levels*

by **Andy Poon** staff writer

B.C.'S LATEST BUDGET offered good news for the province's universities and colleges as Finance Minister Paul Ramsey increased core funding by \$85-million for advanced education and created more than 5,000 new spots for students at post-secondary institutions across the province.

"It's a very pro-university budget," says UBC President Martha Piper. "They really have made a significant injection into the operating grants of universities."

Piper called the government's

move to add \$117-million over the next three years to the province's \$100-million Knowledge Development Fund "a significant enhancement" to research.

Ramsey, who prior to politics worked for 20 years as a college and university instructor and administrator, also scored high marks from current and prospective post-secondary students with the announcement that tuition fees in B.C. would remain set at current levels for another year.

"To keep the doors of our universities and colleges open to all, this budget continues B.C.'s tuition

freeze for a fifth straight year," said Ramsey. "The freeze has helped enrolment grow faster in B.C. than anywhere else in Canada."

Ramsey noted that full-time university enrolment in 1999 was up 18.4 per cent over 1992—a growth rate of nearly 10 times the national average.

Much of the excitement surrounding the 5,025 new student spaces to be created at a cost of \$39-million centres on the 800 spaces earmarked for high-tech programs and 400 for nursing students.

The budget also revealed that a capital development fund of \$133-million will be used to build new colleges, universities and other institutions as well as to upgrade

see *Budget page 2*

## Educator, pianist first to be honoured with arts awards



Education Assoc. Prof. Kit Grauer



Music Prof. Robert Silverman

*Awards named for two key figures in UBC community—artist Sam Black and theatre builder Dorothy Somerset*

by **Bruce Mason** staff writer

KIT GRAUER and Robert Silverman are internationally acclaimed artists and educators, but both say it is a very special honour to be the first recipients of two new UBC awards which pay tribute to legendary figures in their respective fields.

Grauer, an associate professor of Curriculum Studies in the Faculty of Education, has been named the first recipient of the Sam Black Award for Education and Development in Arts.

Silverman, a professor of Music, is receiving the inaugural Dorothy Somerset Award for Performance and Development in Arts.

"As one of many students of Sam Black, I am honoured on a deeply personal level," says Grauer, an accomplished art educator. "His passion for art and teaching had an international impact and influences me and my work on a daily basis."

"I admired him as an artist, but even more as a teacher and we remained very close until his death in 1998," she says.

Grauer recently completed a three-year term as president of the International Society for Education Through Art (INSEA) which Black helped found.

A 1994 Isaac Walton Killam Teaching Prize-winner, she began a World Wide Web project with UNESCO at INSEA to highlight good art practices around the world.

Silverman, a renowned pianist and mentor, recalls many evenings at UBC's Dorothy Somerset Studio, which closed in 1997.

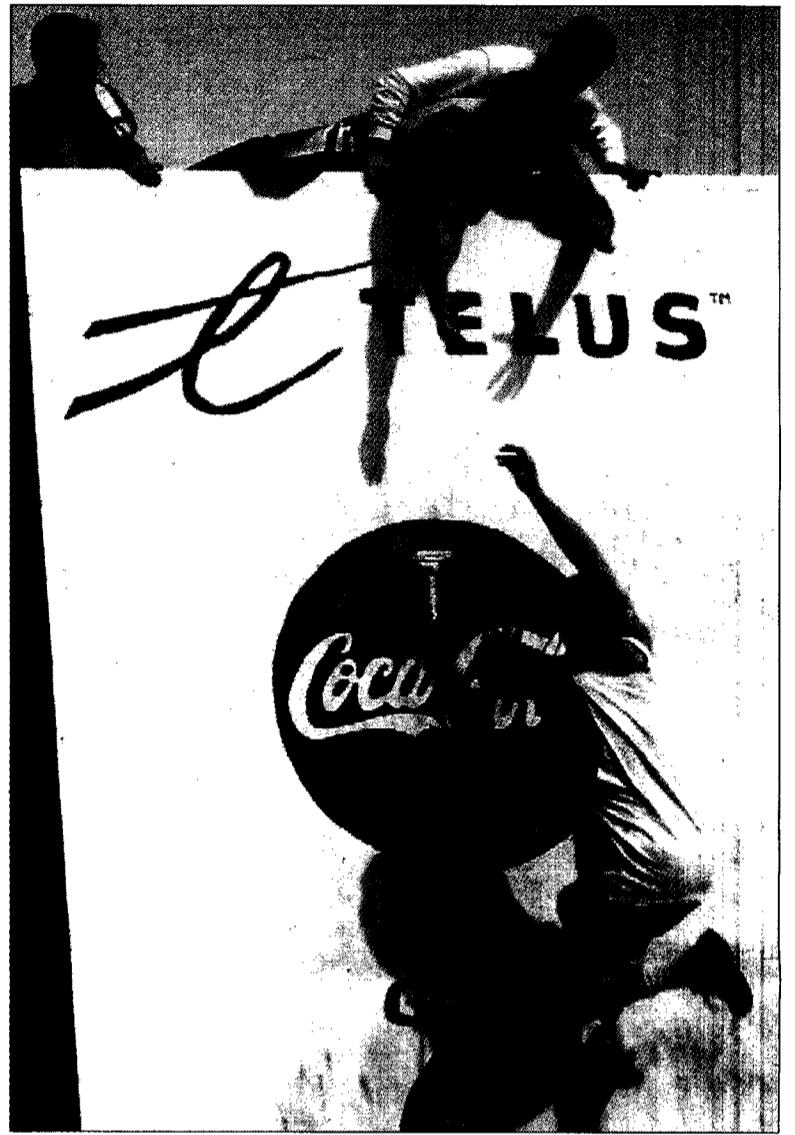
"I am grateful to be the first to receive the award named for her and to UBC for recognizing its performing artists in such a tangible and appropriate manner," he says.

"I never wanted to be an artist in residence with my head in the clouds, so from my first day at UBC in 1973 I have tried to make a contribution," says Silverman, who has set a standard for a performing artist in a university position.

An active performer at the highest international level, he has excelled as a teacher and served for five years as a director of the School of Music.

Among his many accomplishments is learning the entire cycle of Beethoven's 32 piano sonatas

see *Awards page 2*



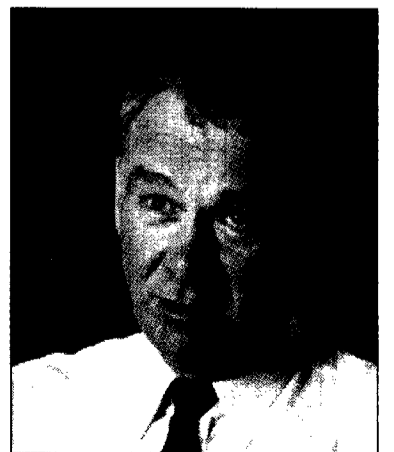
**WALL WALKER** Grabbing and gasping, three of the 1,850 participants in this year's Storm the Wall event show what it takes to best the 3.6 metre barricade. The Intramural Sports and Recreation event, now in its 21st year, sees individual ironpersons and 5-person relays swimming 11 widths of the Aquatic Centre pool, sprinting for 450 metres, cycling for 2.8 kilometres, running for one kilometre and the whole team charging up the wall. Winners in the student entries were: men, Vanier Residence's S.L. Kack-Attack; women, Science's L.E.M.O.M.; co-recreational, Medicine's Bronchodilator; ironman winner, Green College student Marek Jacina; ironwoman winner, Arts student Christine Martindale. Tops in the community division were: co-recreational, Point Grey Hounds; men, Even Flo; women, Faster than Molasses. *Jeff Vallance photo*

## Bell to take Board of Governors' helm

*Innovative business leader, alumnus has extensive government experience*

LARRY BELL, VICE-CHAIR of food services company Shato Holdings Ltd. and chair of its subsidiary White Spot Ltd., has been appointed chair of UBC's Board of Governors.

"I look forward to continuing my involvement with Dr. Piper and the rest of the board in implementing *Trek 2000*, the university's vision statement," says Bell. "We are well-positioned to reach our goal of being the best public university in the country."



New Board chair Larry Bell

Bell was first appointed to the 15-member board in 1997. see *Board page 2*

# Initiatives zero in on safety

## Better campus lighting responds to students' requests

PERSONAL SAFETY AT UBC is getting a boost with the addition of lighting upgrades, emergency phones and signage—all thanks to the Safer Campus Initiative.

Now in its fifth year, the program uses funds from B.C.'s Ministry of Advanced Education, Training and Technology to improve safety on campus.

"We concentrate on what we've heard from students and the consistent message is a request for better lighting," says David Grigg, associate director of Planning in Land and Building Services.

About \$300,000 has been spent on new and upgraded lighting that will bring a lower and more consistent level of light to well-travelled areas.

The aim is to bring both bright glaring lights and inadequate dim lights to a level equivalent to very bright moonlight, says Grigg. The program has improved about 20 per cent of lighting on campus.

Six additional blue light outdoor emergency phones have been installed at a cost of about \$100,000.

There are 19 such phones on campus and the goal is to have 50 phones in place by 2005.

Blue light phones are installed at major intersections at UBC and can be used to call directly to UBC Security or to call 911 to get assistance or report a crime. Once activated, the blue light starts to flash rapidly or strobe, acting as a visual siren.

Local call telephones have also been added in research labs and other areas where people may be working alone at night. The Safer Campus Initiative funds the capital cost of installation.

Grigg also notes that directional signs are considered a vital part of the infrastructure for nighttime campus users. A campus sign plan is currently being prepared for comment.

Incidents of personal crimes at UBC reported to the RCMP in 1999 showed decreases in virtually all categories—indecent acts, assault and sexual assault. There was one reported robbery or mugging in 1998; two such acts were reported to the RCMP in 1999.

### MORE INFORMATION

For specific information on personal security visit the Web site at [www.safety.ubc.ca](http://www.safety.ubc.ca)

## Awards

### Continued from page 1

and performing it on seven occasions. His 10-CD recording of the sonatas will be released in the fall.

Sam Black's 41-year association with UBC began in 1958 as a professor of Fine Arts and Art Education.

Well-known as a brilliant artist and educator, he earned UBC's second Master Teacher Award after Walter Gage in 1970 and was elected to the Royal Canadian Academy of Arts as a master artist in 1977.

His work is in private collections around the world, including Grauer's own.

Dorothy Somerset made an inestimable contribution to theatre education.

After becoming director of the UBC Players' Club in 1934, she established a lending library of more than 3,500 books and was the driving force behind the first Frederic Wood Theatre, created out of an army canteen hut in 1951.

She was also instrumental in the building of the present theatre and served as its first artistic administrative head until her retirement in 1965.

## Budget

Continued from page 1  
existing infrastructure.

The budget drew a positive response from The University Presidents' Council of B.C.—an organization which represents the province's six universities—which had been calling upon both the provincial and federal governments to address shortfalls in funding for universities.

"The provincial budget included commitments to improving core funding support levels for universities, increasing educational opportunities for students enrolling in B.C. universities and to expanding our research and innovation capacity," noted council President Don Avison.

## Board chair

### Continued from page 1

"We're very fortunate to have Larry continue to provide strength to the board through his experience in business and government," says UBC President Martha Piper. "And of course we're delighted to have an alumnus join us as chair."

A graduate of UBC (BA '61), Bell completed a master's degree in California and then served the province as secretary to the B.C. Treasury Board, and deputy minister of Housing and Transit; Lands, Parks and Housing; and Finance. He has acted as chair and CEO of B.C. Hydro, CEO of VanCity Savings Credit Union and has served on many boards including the Canadian Chamber of Commerce, the Vancouver Board of Trade and the Conference Board of Canada.

In 1991, Bell's management innovations were recognized with the Award of Excellence from the Institute of Public Administration. Bell is a director of the Vancouver Hospital Foundation.

Bell takes over from real estate developer Harold Kalke who had served as chair since September 1998. His term runs until Aug. 31, 2001.

## ubc reports

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THE UNIVERSITY OF BRITISH COLUMBIA

CURRICULUM STUDIES, FACULTY OF EDUCATION

David F. Robitaille Professorship in Mathematics and Science Education

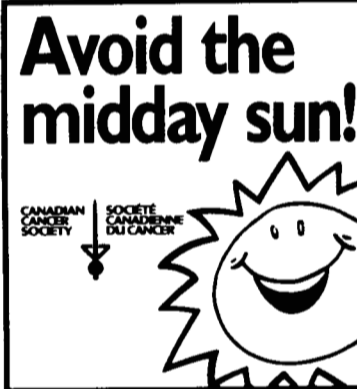
The Department of Curriculum Studies and the Faculty of Education at UBC invite applications for the newly endowed David F. Robitaille Professorship in Mathematics and Science Education. The professorship is intended to supplement an existing faculty position at UBC or to partially second someone from another university, government, or industry.

The professorship will support research and development activities in mathematics and science education that have direct links with schools. Applications are invited from individuals interested in the use of technology to enhance the teaching and learning of mathematics and science in the K-12 education sector. This would include, among others, faculty members in the Faculties of Education, Science, or Applied Science at UBC; visiting scholars on paid leave from their home institutions; or individuals working in the technology sector in industry or government.

The incumbent will be expected to contribute to the work of the department in a variety of ways. These might include maintaining an active and collaborative program of scholarship in the applications of technology in the teaching of mathematics and science, providing leadership in establishing and maintaining a high profile for the Faculty of Education in this area, teaching one or more courses, working with graduate students in the department, presenting seminars or colloquia, or strengthening links with other departments on campus, with professional associations of teachers, and with industry.

Initial appointment will be for a term of from one to three years, with five years being the maximum. The endowment proceeds (estimated to be \$30-35,000 per year) may be used to supplement the annual salary and benefits of the incumbent, to provide a reduced teaching load, or to fund research related expenses. Some additional funds for project related work may also be available.

A letter of application, curriculum vitae, the names and contact information for three referees, and a statement of research interests in the area, should be submitted by May 15, 2000 to: Dean of Education, Faculty of Education, 2125 Main Mall, The University of British Columbia, Vancouver, BC, V6T 1Z4



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Fourth-year Science student Nadia Baker tests the water level in Pacific Spirit Park's Camosun Bog as part of an interdisciplinary honours program in Environmental Sciences/Studies. Looking at options to restore the 12,000-year-old bog was one of six community-based projects that saw 18 students working in teams with environmental groups, government representatives, technical experts and the public to help solve local environmental concerns. Heather Williamson photo

# Students find solutions to improve environment

*Environmental Studies' students get practical community experience and tackle topical issues*

by Hilary Thomson staff writer

WHETHER THEY'RE SLOGGING through bogs or knee-deep in freezing lake water, the 18 students in Environmental Studies 400 are eager to get their feet wet investigating environmental issues.

Six interdisciplinary projects look at local environmental concerns ranging from using Mount Seymour's Lost Lake as a winter fish habitat to managing noise at the airport.

"This is the perfect university experience," says Microbiology Prof. George Spiegelman who instructs the course. "I ask some tough questions and students find the experts and set about finding answers."

Now in its fifth year, the course is a requirement for the Bachelor of Science honours programs in Environmental Sciences/Studies.

Students in Arts and Science with interests ranging from forestry to environmental ethics work with community groups that are looking at environmental issues. Learning how to approach and work with activists, academics and government representatives is a key part of the learning, says Spiegelman.

Students complete their honours thesis as a group and receive a group grade. Earlier courses in the program stress skills needed to create a team structure and team rules.

Mandatory labelling of genetically modified foods (GMF) was the topic of investigation for students Lindsay Scott-Moncrieff and Julia Forward.

As part of the study, the pair surveyed 140 consumers in four Vancouver grocery stores about their understanding of GMF and label-

ling. They found consumers in favour of labelling but unsure what constituted GMF, citing examples such as three-legged chickens and bacon bits.

"Learning to work independently for a year has been difficult but also a refreshing change from classroom learning," says Scott-Moncrieff.

The students concluded that mandatory labelling should be implemented in Canada and have sent their report to the federal government commission looking at the issue.

Camosun Bog, a unique ecosystem that covers an area of about six blocks by three blocks on the east side of Pacific Spirit Park was the subject of a comprehensive evaluation by a four-student team.

About 12,000-years-old, the area is the oldest bog in the Lower Mainland.

Working with the community-based Camosun Bog Restoration Group (CBRG) and the Greater Vancouver Regional District (GVRD), the team studied options available to restore the bog.

Activities included building, submerging and testing a berm or artificial dam that would prevent water from draining out of the area. Students also searched city hall records for history of the bog, contacted technical experts and distributed 215 surveys to local residents to get their feedback on restoration options.

The first formal restoration efforts on the bog began in 1990. The current project is the first broad scope analysis.

"It feels good to actually be doing something that will have an

impact in the community," says Patrick Lilley, whose specialty is conservation biology. "And it's great to operate from more than a strictly scientific view."

Team member Nadia Baker agrees, "We all bring to our project expertise in different disciplines allowing for a more comprehensive analysis."

The team, which also includes students Toshiko Sasaki and Heather Williamson who are studying the bog's hydrology, will present its recommendations to other members of the class, the CBRG and the GVRD later this month.

Other projects looked at the sustainability of southeast False Creek and developing principles to guide plans for preserving endangered species.

# Volleyball players named top athletes

*Swimming and women's field hockey are star teams*

THE HIGHLIGHTS of UBC's 79th Annual Big Block Awards included the selection of volleyball standouts Jessica Mills and Guy Davis who received the Marilyn Pomfret and Bobby Gaul awards as athletes of the year. More than 650 people attended the celebration held recently.

Mills is completing first-year Medicine and finishing her varsity eligibility as the team's all-time leading scorer. She has scored 1,954 points in her five years at the university.

The 24-year-old native of Stansstead, Que., was named a Canadian Inter-University Athletic Union (CIAU) First Team All-Canadian for the second consecutive year after leading her team in scoring and rebounding last season.

Off-court, she is an outstanding student and a two-time Royal Bank Academic All-Canadian, who finds time to work with autistic children.

Calgary native Guy Davis, who is completing a Bachelor of Science in Genetics, started all five of his seasons at UBC. He recovered from an abdominal hernia to spark his team at mid-season and was named Canada West Player of the Year as well as a CIAU First Team All-Canadian.

He serves on the executive of the Thunderbird Athletic Council, and often speaks to local schools, acting as a role model for young children as well as his peers.

The Du Vivier Award for the Thunderbird Team of the Year was shared by the women's field hockey and men's and women's swimming teams, all national champions.

The women's field hockey team won its second consecutive national title, allowing only a single goal in CIAU championship play. With their 1999-2000 championship titles, the Thunderbird swim



Jessica Mills



Guy Davis

teams became the first teams in CIAU history to win three consecutive double championships.

Other award winners include: Kay Brearley Award (exceptional service to women's athletics)—Sandy Silver, women's volleyball; Carolyn Dobie-Smith Award (student trainer)—Faye Leung; Men's Rugby PowerBar Outstanding Athlete Award—Guy Davis, volleyball; Arthur W. Delamont Award (freshman spirit)—Bruce Arthur; Ubyseyy and CIRR Thunderbird Athletic Council Leadership Awards—Sarah Cunningham and Nick Seddon, soccer.

# New master's program will focus on European studies

*Students will benefit from interdisciplinary opportunities*

SENATE HAS UNANIMOUSLY approved a new Master of Arts in European Studies. The two-year program, which is subject to provincial approval, is expected to begin in September.

"It is our understanding that the program is the first of its kind in Canada and we're very excited to be offering it to UBC students," says Sima Godfrey, director of the Institute for European Studies which will administer the program within the Faculty of Graduate Studies.

While European studies have traditionally focused on politics, geography and history-related is-

sues, the new program will take a more multidisciplinary approach, she says.

"There are professors and researchers in every faculty on this campus who are directly involved in research involving Europe and often with European partners," she says.

Students in the proposed program will take a series of core courses with electives in disciplines of their choice which may include historical, cultural, environmental, economic, and public policy issues. Spending one term studying at a European university or in an approved internship posi-

tion in Europe will be recommended.

Turning greater attention toward Europe is part of UBC's commitment to internationalization as outlined in *Trek 2000*, the university's vision document.

Any faculty or staff member with a background in European research or teaching is invited to contact Godfrey at (604) 822-8723 to help the institute determine the scope of resources on campus.

The new program and other initiatives within the institute have been made possible in part by support from the European Commission and from the German Academic Exchange Service.

## SUNDAY, APRIL 9

**Native Plant Sale**

Botanical Garden from 11am-4pm. Admission free. Call 822-4529.

**Chan Centre Concert**

Radio celebration—Vancouver's Top Amateur Choirs Salute CBC Radio. Chan Centre from 3-6pm. For tickets call Ticketmaster 280-3311. Call 822-9197.

## MONDAY, APRIL 10

**Percussion Masterclass**

Evelyn Glennie. Old Aud. from 11am-1pm. \$5 at door. Call 822-5574.

**Seminar**

The Calnexin Cycle—Linking Protein Folding And Glycosylation. Dr. David Y. Thomas. IRC#4 at 3:45pm. Refreshments at 3:30pm. Call 822-3178 or 822-5975.

**Member Speaker Series**

The UBC South Campus Farm: A Proposal For Integrated Use And Participation. Derek Massenlink. Landscape Architecture. Green College at 5:30pm. Call 822-1878.

## THURSDAY, APRIL 13

**Conference**

ELibrary@ubc: Research And Learning Through Technology. Main Library Dodson Room from 9am-5pm. To register call 822-6363 or e-mail hssd@interchange.ubc.ca.

**Theatre At UBC**

Beckett Birthday Bash III. Gerald Vanderwoude, director. Frederic Wood from 7:30-8:45pm. \$5. Call 822-0923.

## FRIDAY, APRIL 14

**Swim Meet**

Canadian Dolphins. Aquatic Centre from 7:30am-10pm. Continues to April 16. Call 822-4521.

**Value-Added Forum**

Innovation, Skills And Learning In Small Value-Added Firms. Various speakers. NRC from 8:30am-4:30pm. Pre-register. Call 822-2524.

**Health Care and Epidemiology Rounds**

Infant Deaths Among Vancouver Island First Nations. Dr. David Martin. Health Canada; Dr. Fred Rockwell.

their guests welcome. Call Dr. R.D. Dunn at 669-1170.

**Spring Gala 2000**

An Evening of Performing Arts. Chan Centre at 7pm. \$10.75 with proceeds to Alzheimer Society of B.C. Tickets available from Ticketmaster at 280-3311 or Chan Centre box office.

**Vancouver Institute Lecture**

The End of Development. John Stackhouse. IRC#2 from 8:15-10pm. Call 822-4636.

## SUNDAY, APRIL 16

**Green College**

**Performing Arts Group**  
A Potpourri Of Music. Green College Choir. Green College at 8pm. Call 822-1878.

## MONDAY, APRIL 17

**Centre For Southeast Asia Research**

Hun Sen: Strongman of Cambodia—The Man Behind The Myth. Julie and Harish Mehta. CK Choi 129 from 12:30-2pm. Call 822-2629.

## WEDNESDAY, APRIL 19

**School Of Nursing Rounds**

Implementing Clinical Practice Guidelines For Pressure Ulcers: A Demonstration And Evaluation Project. Rena van der Wal, Vancouver Hosp. UBC Hosp., Koerner Pavilion T-206 from 3-4pm. Call 822-7453.

**Centre For Southeast Asia Research**

Hindu And Buddhist Thought In Khmer/Cambodian Architecture And Dance. Julie Mehta. CK Choi 129 from 12:30-2pm. Call 822-2629.

**Green College Special Lecture**

The Meanings Of Life. David Schmitz. U of Arizona. Green College at 5pm.

**Fest 2000**

Music And Arts Festival For People With Disabilities. Vancouver Adaptive Music Society. Chan Centre from 7-10pm. Call 688-6464 local 118.

**Geography Outreach Seminar**

A River, A Delta, A Place In Time. Graeme Wynne. Richmond Nature Park (11851 Westminster Hwy.) at 7:30pm. Refreshments. Call 722-3534.

**Senate Meeting**

Regular Meeting Of The Senate, UBC's Academic Parliament. Curtis 102 at 8pm. Call 822-2951.

## THURSDAY, APRIL 20

**Royal Society Of Canada**

Exciting Excitable Cell Models. Robert Miura, Mathematics. Green College at 1pm. Lunch at 12:30pm, \$18. To reserve for lunch call Steve Calvert at 822-5210 or e-mail calvert@eos.ubc.ca. Call 822-1878.

**Seminar**

The Growing Company: Can You Hear the Wheels Rolling. Natalie Dakers, Neuromed; Tom O'Flaherty; Michael Volker, SFU. ForSciences 1005 from 4-6pm. To register call 822-8580.

**Medieval And Renaissance**

Chaucer For Children: 19th- And Early 20th-Century Versions Of *The Canterbury Tales*. Sian Echard, English. Green College at 4:30pm. Call 822-1878.

**Mass Of The Lord's Supper**

St. Mark's Chapel from 7:30-9pm. E-mail frjimo@compuserve.com. Call Father Jim O'Neill 822-4463.

## FRIDAY, APRIL 21

**Painting Exhibition**

Passage. Group of Twelve, local artists. Asian Centre from 10am-5pm. Continues to April 25. Call Connie King 437-5842.

**Good Friday Public Swims**

Aquatic Centre from 1-5pm. Continues from 6-10pm. \$3.75 adult; \$2.75 youth/student; \$2 child/senior. Call 822-4521.

**Good Friday Service**

Adoration Of The Cross. St. Mark's Chapel from 3-4:30pm. E-mail frjimo@compuserve.com. Call Father Jim O'Neill 822-4463.

# calendar

APRIL 9 THROUGH APRIL 22

## TUESDAY, APRIL 11

**Library Staff Training and Development Colloquium**

Ulterior Design: The Story Of The ErgoLogic Computer Keyboard. Dr. Lance Rucker, Oral Health Sciences. Main Library Dodson Room from 3:30-4:15pm. Call 822-4430.

**Equality/Security/Community Colloquium**

Can Falling Supply Explain The Rising Return To College For Younger Men? A Cohort-Based Explanation. Thomas Lemieux, Economics. Green College at 4pm. Call 822-1878.

**Individual Interdisciplinary Studies Graduate Program**

Ethics—Policy—Subjectivity. Simon Critchley, U of Essex. Green College at 5:30pm. Call 822-1878.

## WEDNESDAY, APRIL 12

**Orthopaedics Grand Rounds**

Update On Periacetabular Osteotomy. Dr. Don Garbuz. Eye Care Centre Aud. at 7am. Call 875-4192.

**Seminar**

Can Community Concerns Justifiably Restrict Health Research? Fern Brunger, post-doctoral fellow, Centre for Health Services and Policy Research, Centre for Applied Ethics. UBC Hosp., Koerner Pavilion McLeod Room at 12noon. Call 822-4969.

**Philosophy Seminar**

Descartes: Mind, 'Man' And World. Catherine Wilson, UBC; Joseph Almog, UCLA. Buchanan B Penthouse from 1-3pm. Call 822-2621.

**Institute Of Asian Research Seminar**

China's Township Enterprises At A Crossroads. Edward Woo, IAR. CK CHOI 120 from 4:30-6pm. Call 822-5207.

**Faculty Of Education Public Lecture**

Why Do Kids Read Archie Comics? Asst. Prof. Bonny Norton. Pacific Space Centre Aud. (1100 Chestnut) at 7pm. Call 822-5512.

Central Vancouver Island Regional Health Board. Mather 253 from 9-10am. Call 822-2772.

**Pediatric Grand Rounds**

Pathology Of Pediatric Cardiomyopathies. Dr. Glen Taylor, B.C.'s Children's Hosp. GF Strong Aud. from 9-10am. Call 875-2307.

**Philosophy Seminar**

Identity Statements. Robert May, Linguistics, UC Irvine. Buchanan B-218 from 2-4pm. Call 822-2621.

**Seminar**

Research On Interfacial Phenomena As Applied To The Canadian Oil Sands Processing. Prof. Jacob Masliyah, U of Alberta. ChemEng 206 at 3:30pm. Call 822-3238.

**Conference**

The Challenge of Change: Rethinking Law As A Discipline. Prof. Margaret Thornton, LaTrobe U, keynote speaker. University Centre, Peter Wall Institute, large conference room from 4-5:30pm. Workshop on Legal Knowledge and Legal Education in the 21st Century continues April 15 from 9am-5pm. Call 822-6525.

**Vipassana Meditation Retreat**

Rodney Smith, Westcoast Dharma Society. Asian Centre from 7:15-9pm. Continues to April 16. E-mail wdharma@unix.ubc.ca or call 731-5469.

**Recital**

Jane Coop, piano. Centennial Theatre, North Vancouver at 8pm. For tickets call 984-4484. For information call 904-1010.

## SATURDAY, APRIL 15

**Vancouver Oxford And Cambridge Society**

Seventieth Annual Boat Race Dinner. Sir Walter Bodmer, Oxford U. Green College Great Hall at 7pm. Reception at 6pm. Black tie. All those with Oxford or Cambridge U affiliation and

**Philosophy Seminar**

What Language Does It Take To Describe Our Mind. Joseph Almog, UCLA. Buchanan B Penthouse from 1-2pm. Call 822-2621.

**Electrical and Computer Engineering Seminar**

Cellular Communications Systems. Prof. Cyril Leung, MacLeod 418 from 1-2pm. Refreshments. Call 822-2405.

**Seminar**

Large-Scale Expansion Of Mammalian Neural Stem Cells As Aggregates In Suspension Bioreactors. Prof. Leo Behie, U of Calgary. ChemEng 206 at 3:30pm. Call 822-3238.

**Member Speaker Series**

Invasion Of The Little Greenies: The Eutrophication Of Our Freshwaters. Beatrix Beisner, Zoology. Green College at 5:30pm. Call 822-1878.

**Holy Week Reconciliation**

St. Mark's Chapel from 7:30-9pm. E-mail frjimo@compuserve.com. Call Father Jim O'Neill 822-4463.

**Chan Centre Concert**

Vancouver Symphony With Choirs. Chan Centre at 8pm. For tickets call Ticketmaster at 280-3311. Call 822-9197.

**Poetic Persuasions**

Readings. Wayde Compton, poet; Anne Stone, novelist. Green College at 8pm. Call 822-1878.

## TUESDAY, APRIL 18

**Philosophy Seminar**

What Language Does It Take To Describe Our Mind. Joseph Almog, UCLA. Buchanan B Penthouse from 1-3pm. Call 822-2621.

**Law And Society**

Book Launch: *Pepper In our Eyes: The APEC Affair*. Wesley Pue, editor. Green College at 5:30pm. Call 822-6525.

## SATURDAY, APRIL 22

**Bike Repair Course**

Saturday Bike Mechanic Crash Course. Bike Hub from 10am-3pm. \$20 includes manual. Call 822-BIKE.

**Easter Vigil**

St. Mark's Chapel from 11pm-1am. E-mail frjimo@compuserve.com. Call Father Jim O'Neill 822-4463.

## NOTICES

**Cognition And Emotion Study**

Seeking participants to explore the cognitive effects of emotion. Earn \$5 by completing a questionnaire. Some participants will be invited to earn \$25 more in two 60-90 minute sessions. Call 822-2022.

**Contemporary Art Exhibition**

Tonel: Lessons of Solitude. Morris and Helen Belkin Art Gallery. 10am-5pm. Continues to June 4. Open Tuesday-Friday 10am-5pm; Saturday-Sunday from 12noon-5pm. \$3 adults; \$2 seniors; free for students, UBC faculty and staff with valid ID. Visit the Web site at [www.belkin-gallery.ubc.ca](http://www.belkin-gallery.ubc.ca) or call 822-2759.

**Gymnastics Classes**

For ages two to adult. May through August. Osborne Centre Gymnastics Gym. E-mail hkin.outreach@ubc.ca or call 822-0207.

**Gardens' Hours Of Operation**

The Nitobe Memorial Garden, UBC Botanical Garden, and the Shop in the Garden are open to October from 10am-6pm daily (including weekends). Inquiries for the gardens should call 822-9666 and for the Shop in the Garden 822-4529.

**Bike Repair Course**

Bike Care Drop-In Clinics. Free for coop members. A great introduction to bike maintenance. A different topic is covered each week. Bike Hub every Wednesday from 6:30-7:30pm. Call 822-BIKE (2453).

**Sage Bistro**

To the faculty, students, administration and admirers of the University of British Columbia we present Sage Bistro at the University Centre. Truly food for thought...Sage is open Monday through Friday from 11am-2pm. Tapas will be served on the patio from May 15 to Oct. 15 from the hours of 3:30-8pm. Our luncheon menu changes weekly and features a wide selection of wines by the quarter litre and glass. For reservations please call 822-1500.

**Research Study**

Volunteer subjects needed for study on aging and speech understanding. Must be native English speakers 18-30 or 60-80 years old with good hearing in both ears. Involves one two-hour session on UBC campus. \$15 honorarium. Contact Wendy Lam e-mail: [wendylam@audiospeech.ubc.ca](mailto:wendylam@audiospeech.ubc.ca) or call 263-0677.

**Premenstrual Asthma Study**

UBC/St. Paul's Hospital researchers are seeking females with asthma and regular menstrual cycles for a study on estrogen's effects on asthma symp-

## 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](http://www.publicaffairs.ubc.ca). Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space. Deadline for the April 20 issue of *UBC Reports*—which covers the period April 23 to May 13—is noon, April 11.



## Draft Policy #6

# Environmental Protection Compliance

Approved: January 1994

Reviewed by the Board of Governors: November 1995

RESPONSIBLE VICE PRESIDENT

Vice President Academic & Provost; Vice President Administration & Finance; Vice President Research; Vice President Students

## Purpose

- to provide a formal statement of commitment in response to global and local concerns regarding environmental protection;
- to provide a framework for establishing procedures that will ensure consistent response to environmental issues, and demonstrate responsibility and due diligence on the part of the University;
- to develop auditing and monitoring procedures which are effective for a university setting;
- to ensure compliance with all applicable environmental regulations at all sites of University activity;
- to provide for the development of programs to prevent pollution;
- to provide communication and education about environmental issues;
- to provide a platform for sustainable development efforts at UBC.

## Policy

UBC will act responsibly and demonstrate accountable management of the property and affairs of UBC in protecting the environment. All individuals in the University community share the responsibility for protecting the environment. Administrative heads are responsible for ensuring compliance with legislation and UBC procedures both on and off campus.

## Procedure Summary

The University will continue to develop and maintain an environmental management system consistent with the purpose of this policy and with the goal of continual improvement.

Procedures and reporting structures for matters of compliance with environmental legislation are necessary to demonstrate due diligence of UBC, its Board of Governors, senior officers, students, and members of faculty and staff, by addressing responsibly activities which have potential for exposure to lawsuits and prosecution.

*"Where a corporation commits an offense under this Act, any officer, director or agent of the corporation who directed, authorized, assented to or acquiesced in or participated in the commission of the offense is a party to and guilty of the offense, and is liable to punishment provided for the offense, whether or not the corporation has been prosecuted or convicted."*... Section 122 of the Canadian Environmental Protection Act

Procedures, guidelines and programs addressing specific environmental issues will be developed and updated as required, as part of the University environmental management system, to accomplish the objective of compliance with environmental legislation, with the full participation of the University community. These will include evaluation guidelines and monitoring procedures, effective measures of progress, reporting mechanisms, educational programs, and contingency plans for accidents that affect the environment.

The Manager, Environmental Programs, reporting through the Director, Health, Safety and Environment and the Vice President Administration and Finance, will be responsible for focusing efforts on the most serious problems, promoting development of the environmental management system and coordinating activities through administrative heads of unit. These efforts include environmental audits, central monitoring, recording and reporting progress (and instances of non-compliance) on environmental protection issues, providing training to the campus community and serving as the central information source about current and anticipated legislation applicable to UBC as well as providing linkages for sustainable development efforts.

## Detailed Procedures

The Manager Environmental Programs, in conjunction with the Environmental Programs Advisory Committee, will develop and maintain a process for identifying the University's significant environmental impacts and for developing objectives and targets to manage and reduce these impacts where feasible.

Environmental audits will be performed of all areas and activities under the control of the University. Audits will include evaluation of waste, emissions, hazardous materials, emergency response procedures and the adequacy of training of students, faculty and staff. Such audits will measure the extent of compliance with federal, provincial and local legislation

and identify potential environmental risks.

An action plan will be developed by the administrative head of unit for bringing all identified deficiencies into compliance with legislation, in consultation with the Manager, Environmental Programs, and will be forwarded to the Vice President responsible for the unit for approval of actions, timing, and funding.

Monitoring systems and procedures for handling and reporting accidents/incidents will be established for all activities and areas of concern. Administrative heads of unit are responsible for ensuring that the monitoring is carried out in accordance with established systems and for reporting on the monitoring to both the unit's vice president and the Manager, Environmental Programs. Deficiencies detected through monitoring or other means will be corrected as soon as possible.

Environmental Programs will develop programs designed to prevent pollution and will encourage and support such activities within the University community.

When the impact or experimental design of activities to be conducted at off campus locations has unknown or potentially harmful environmental consequences, the member of faculty or staff responsible will apply in advance for a certificate of environmental protection from the Environmental Programs Advisory Committee to review and authorize such activities. Research protocols, consistent with practices approved by the screening committee for individual experiments, may be authorized by the screening committee for experiments which are to be repeated. These steps are necessary because of the university's potential liability for problems arising from off-campus activities.

Administrative heads of unit are responsible for ensuring communication about the goal of compliance with environmental legislation and appropriate training of all persons working or studying within their units in relevant environmental issues and procedures for recognizing, dealing with and reporting accidents that affect the environment.

Supervisors and principal investigators are responsible for ensuring University procedures are followed and for instructing personnel under their supervision regarding applicable policies, programs and procedures. Individuals working in environmentally sensitive areas or with potentially hazardous materials must be given appropriate supervision, instruction and training prior to undertaking work.

Reports of all audits, plans for correcting deficiencies, reports on satisfying monitoring requirements, accident-handling procedures and any minor accidents/incidents will be brought, through the senior officers of the University, to the Board of Governors at its regular meetings. Any accidents/incidents of significant environmental impact will be brought to the attention of the Chair of the Board of Governors by the President or his/her designate immediately.

When potentially harmful conditions arise or are discovered, the administrative head of unit is responsible for notifying individuals who might be affected and keeping them aware of efforts to correct the situation.

The Manager, Environmental Programs ensures that consultations with the campus and surrounding communities about the state of compliance and progress toward it take place. The Manager, Environmental Programs will publish annually a report which includes information on the audits conducted, the compliance issues dealt with and outstanding, training and communication activities, and responses to accidents affecting the environment

See also the Policy and Procedures on Sustainable Development (#5).

## Definitions

**Administrative head of unit** means a Director of a service unit, a Head of an academic department, a Director of a centre, institute or school, a Principal of a college, a Dean, an Associate Vice President, the Registrar, the University Librarian, a Vice President or the President.

**Due diligence** means the care a reasonable person would take, having regard to all the circumstances and information about which that person knew or ought to have known.

**Environment** means the biophysical conditions under which people or things live or are developed.

**Environmental audit** means a systematic, objective method of identifying and verifying that laws, regulations, procedures and University guidelines for environmental, health, occupational hygiene, safety and emergency preparedness standards are being followed. The examination involves analysis, testing and confirmation of procedures and practices.

**Supervisor** means a person, not necessarily an administrative head of unit, who has been delegated supervisory responsibility for others working or studying at UBC.

**University community** means all persons associated with The University of British Columbia, including students, members of faculty and staff, visitors, contractors, suppliers, tenants, and users of facilities.

# Draft Disaster Management Policy

## Responsible

Vice President Administration & Finance

## Policy

The University aims to reduce the negative impact on the University community, property, and environment resulting from emergencies and disasters, and to expeditiously and efficiently restore academic programs and University operations.

## Procedure summary

The University is to develop and maintain a Disaster Management Program based upon the principles of preparedness, response, mitigation, and recovery.

## Preparedness

Preparedness activities shall consist of

- developing and maintaining a University Disaster Plan,
- developing and maintaining an Emergency Operations Centre,
- training and educating the University community, and
- testing and exercising the University Disaster Plan.

## Response

Response will address issues of

- warning and evacuation,
- emergency medical and social services,
- search and rescue,
- building or facility damage assessment, and
- security and protection of property.

## Mitigation

Mitigation activities shall consist of

- conducting a hazard and risk assessment,
- prioritizing mitigation activities, and
- developing and implementing mitigation strategies.

## Recovery

Recovery shall consist of planning for

- restoration of teaching and research activities,
- resumption of services, and
- repair or reconstruction of facilities.

## Detailed procedures

In the absence of the President of the University, the line of succession for declaration of a university disaster and authority during a university disaster is the Vice President Academic & Provost, Vice President Administration and Finance, Vice President Research, Vice President Students, and Vice President External Affairs.

The key response activities, in the event of an emergency or disaster, rest with service units. These activities are detailed in the University Disaster Plan.

In the event of a disaster affecting the University, individuals should report to their immediate supervisor as soon as reasonably possible and await further instructions.

An Emergency Planning Steering Committee, reporting to the Vice President Administration and Finance, will develop and recommend policies, plans, and guidelines for preparedness, response, mitigation, and recovery measures at the University. These measures will include preparation, approval, and evaluation of a University Disaster Plan, and recommendations on current and future needs for emergency and disaster preparedness. The Steering Committee will be composed of representatives from the University community appointed by the Vice President Administration and Finance.

The University will develop, operate, and maintain an Emergency Operations Centre in accordance with requirements specified in the University Disaster Plan.

Service units are responsible for developing and testing emergency plans as prescribed by the University Disaster Plan. These units are also responsible for participating in campus-wide emergency preparedness, response, and recovery activities.

The Department of Health, Safety & Environment will be responsible for providing training and education for the University community and for providing assistance to administrative heads of unit in developing unit

emergency plans. Health, Safety & Environment is also responsible for coordinating campus-wide activities to exercise and test emergency and disaster response.

Administrative Heads of Unit are responsible for developing and testing emergency plans that are applicable to the activities and operations of the unit. These plans, which must be tested at least annually, must include specific evacuation procedures and fire safety information as per the BC Fire Code.

The Provincial Emergency Program recommends that all individuals be prepared for emergencies at all locations, including in the workplace and at home. This includes preparing to meet individual needs for a period of up to 72 hours. The University encourages all personnel to undertake emergency preparedness measures, and supports this through the delivery of emergency preparedness workshops coordinated by the Department of Health, Safety & Environment.

Emergency and disaster preparedness issues that may have budgetary implications will be forwarded to the Vice President responsible for the unit for approval of action, timing, and funding.

Reports on the status of disaster management will be brought, through the senior officers of the University, to the Board of Governors at its regular meetings. Emergencies of significant impact will be brought to the attention of the Chair of the Board of Governors by the President or his/her designate, immediately.

The University will maintain relations and share information with the Provincial Emergency Program, neighbouring municipalities, and first response agencies to ensure compatible emergency response plans.

## Definitions

*Disaster* means a calamity that

- a) is caused by accident, fire, explosion or technical failure or by the forces of nature, and
- b) has resulted in serious harm to the health, safety or welfare of people, or in widespread damage to property.\*

*Emergency* means a present or imminent event that

- a) is caused by accident, fire, explosion or technical failure or by the forces of nature, and
- b) requires prompt coordination of action or special regulation of persons or property to protect health, safety or welfare of people or to limit damage to property.\*

*Emergency Operations Centre* means a central location for the key campus decision-makers, emergency planners, and services to direct, control, coordinate, and support emergency operations effectively.

*First Response Agencies* include the Vancouver Fire and Rescue Services, BC Ambulance, and Royal Canadian Mounted Police.

*Mitigation* means those sustained measures and activities aimed at reducing or eliminating hazards associated with disasters, or lessening the impact of the event.

*Preparedness* means those measures undertaken in advance to ensure that individuals and agencies will be ready to react, such as emergency plans, mutual aid agreements, resource inventories, training, exercises, and emergency communications systems.

*Response* means those measures undertaken immediately after an emergency or disaster has occurred and for a limited period of time thereafter, primarily to save human life, treat the injured, and prevent further injury and other forms of loss. They include response plan activation, opening, and staffing of emergency operations centres, mobilization of resources, issuance of warnings and directions, provision of aid, and declaration of states of emergency.

*Recovery* means those measures undertaken to restore normal conditions. The time frame for recovery begins as soon as a reduction in critical response activities permits the re-allocation of resources to longer-term recovery activities. Recovery measures can extend over years, and could include physical restoration and reconstruction, financial assistance programs, counseling, temporary housing or relocation assistance, health and safety programs, and economic impact studies.

*Service Units* means those units charged with conducting or delivering services to the University including, but not limited to, Campus Security, IT Services, Financial Services, Food Services, Health, Safety & Environment, Housing and Conferences, Human Resources, Land and Building Services, Public Affairs, Purchasing, Treasury, and Utilities.

\* Excerpt from the B.C. Emergency Program Act, November 25, 1993.

Comments on these draft policies are welcome. Please e-mail [dp@oldadm.ubc.ca](mailto:dp@oldadm.ubc.ca) or call (604) 822-6330



# Environmental Programs – Annual Summary Report 1999

The full Environmental Programs Annual Report 1999, which contains information on the UBC environmental management system, environmental awards at UBC, training and awareness activities, regulatory compliance issues, and disaster management, is available to download and view at

<http://www.safety.ubc.ca/environmental/annualreport99.pdf>  
or copies can be obtained from Health, Safety & Environment, 822-2029.

UBC remains committed to being a responsible steward of the environment. Environmental Programs is responsible for implementing a number of initiatives outlined in the policy (#6) on Environmental Protection Compliance. Below are the highlights of some of the activities and accomplishments in 1999 and their contribution to the University and the local community.

## *Reducing Environmental Impacts*

The reduction of environmental impacts is achieved as a result of many activities, but of most significance is the handling of 137 tonnes of hazardous waste in 1999. Of this total, 130 tonnes was either re-used, recycled, treated or diverted from conventional disposal facilities. While the Chemical Conservation Programs proactively reduce the environmental impacts through re-use or recycling options, just as important is the destination of any material leaving the facility. Significant effort is constantly placed into identifying environmentally responsible solutions for UBC's hazardous waste.

## *Ensuring Compliance*

The University ensures compliance with environmental regulations, University procedures and best management practices through a number of activities, not least of which is through the environmental compliance audit program.

The UBC environmental compliance audit program continues to meet its performance targets. Currently almost 90 per cent of the sites deemed to have high-risk activities or operations have been audited. In 1999 a total of 65 audits were completed, resulting in 515 recommendations being made. Follow-up audits 6 months later, show that 63 per cent of the recommendations have been implemented.

The UBC Disaster Management Program provides fire safety and emergency preparedness resources to departments across the campus, in compliance with BC Fire Code and Provincial Emergency Program Act requirements for proactive emergency planning. In 1999, over 43 departments requested fire safety plans from the Disaster Planning Coordinator.

## *Reducing Liability*

Through several proactive strategies, the future environmental liability of the University is being reduced. Examples from 1999 include,

- over 70 tonnes of PCB contaminated wastes were removed from campus and safely disposed through an authorized facility. These materials had previously been stored in an approved facility for several years;
- five underground storage tanks were removed. These tanks were over 50 years old and if left could have resulted in significant future liabilities; and,
- an assessment of structures on campus for hazards associated with seismic emergencies, and development of hazard evacuation routes.

## *Increasing Awareness*

Increased awareness on campus regarding environmental and emergency preparedness issues takes several forms including: newsletters, interviews during audits, articles in campus newspapers, formal seminars, training programs, departmental emergency planning sessions and the web site.

In 1999 Environmental Programs added two new courses: spill reporting training and PCB Safety. In addition, information was also presented at two orientations not previously targeted: the International Student and Graduate Student Orientations.

In total training and education sessions were provided to approximately 2000 members of the University Community in 1999.

## *Enhancing Customer Service*

It is a goal of Environmental Programs to provide exceptional customer service. To measure and track the service provided, surveys and evaluations of courses and programs are conducted:

- the second customer survey for the Environmental Services Facility resulted in an increased satisfaction in 17 out of 20 categories,
- the average rating of several measures used to evaluate the environmental compliance audit program was 9/10, and
- the average rating of courses and workshops undertaken throughout the year was 4/5.

## *Accredited Performance*

To assure the performance of initiatives developed by Environmental Programs, as well as setting and tracking internal performance targets, each year external verification and benchmarking of component programs is conducted. In 1999,

- a benchmarking study was conducted of the environmental compliance audit program with the equivalent programs at BC Hydro Authority and BC Ferry Corporation,
- an external review of the Disaster Management Program was completed, and
- a plan developed to obtain ISO 14001<sup>1</sup> certification for the Malcolm Knapp UBC Research Forest, Harvesting Operation—this will take approximately 18 months to complete and will take elements of the existing UBC environmental management system for the Point Grey Campus and modify it for use by the research forest.

<sup>1</sup> ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies. ISO 14001 is the standard for environmental management systems.



These master trainers, part of the community advisory committee for the Chronic Disease Self-Management Program, will assist in training 90 volunteers, mainly seniors, to deliver a patient education program that will reach about 450 people in Vancouver and Richmond. Pictured above are: (top, l-r) Jane Lee, program co-ordinator Barbara Henn-Pander, Tom Kinloch, Anne Riddick, (bottom, left) Bonnie Boieeie and Mary Brown. Hilary Thomson photo

## Project offers Rx for care of chronic health problems

Seniors who have learned techniques for managing their own health will take self-help message to community

by Hilary Thomson staff writer

UBC'S INSTITUTE of Health Promotion Research (IHPR) has received a one-year grant of close to \$100,000—the largest grant of its kind—from the Vancouver-Richmond Health Board to launch a program that helps people cope with chronic health conditions.

Called the Chronic Disease Self-Management Program (CDSMP), it is the only program of its scale in Canada.

The six-session program will see 90 seniors, many of whom have chronic health problems, working in pairs to deliver the free patient education program to 450 people at community centres in Vancouver and Richmond.

"This program doesn't replace information from health-care practitioners," says Patrick McGowan, IHPR's assistant director who leads the project. "It's a self-care strategy that gives people the skills and confidence needed to manage their health on a daily basis."

Research has shown the average senior must cope with more than one chronic health condition, adds McGowan.

Each two-hour weekly session targets conditions such as arthritis, heart and lung diseases, diabetes and stroke. Most of the participants in the six-week course will be seniors—spouses, family members and friends are encouraged to attend.

Topics covered include exercise, how to recognize and act on symptoms, nutrition, dealing with emotions of fear, anger and depression and communicating with health professionals.

"This is a program that empowers people," says project co-ordinator Barbara Henn-Pander. She is working with a 15-member advisory committee of community members, many of whom have chronic illnesses and all of whom have participated in or taught the program.

The committee—all members of various community health organizations—will assist in selecting and arranging three-day training workshops for the team of program leaders.

"Information offered by the program leaders has validity because the group knows that person understands and has been there," says Bonnie Boieeie, a retired nurse and one of six leader trainers. "People think 'if she can do it, I can do it.'"

The program leaders follow a standard course outline. A 300-page book called *Living a Healthy Life with Chronic Conditions* is given to each participant.

Evaluations of similar programs offered in the US and the Yukon showed improvement in participants' self-reported health and fewer hospitalizations of shorter duration.

Leader training sessions will start in April and courses will be offered soon after. The project will be completed and evaluated by March 2001.

Funding for the program is provided through Vancouver-Richmond Health Board's Community Health Initiative Fund. The committee aims to make CDSMP a regularly offered health board program.

### MORE INFORMATION

For course dates and locations contact Barbara Henn-Pander at (604) 822-0634.

## Crime catchers take action on campus

Program will draw on models that are in use at other B.C. universities

**CRIME STOPPERS**

CAMPUS CRIME STOPPERS—a version of the popular and effective crime-reporting program—is UBC's newest weapon in combating crime on campus.

"We're looking for volunteers to set up the chapter," says Jeff Bingley, Campus Security operations supervisor. "This is a chance for members of the campus community to take some positive action, to increase their knowledge of policing and contribute to the university."

The goal of the program is to increase awareness of crimes committed on campus and to encourage witnesses to crime to call the central Crime Stoppers action line at 669-TIPS. Rewards of up to \$2,000 are given for information leading to arrest and charges.

The proposed chapter will draw from models at other campuses including Simon Fraser University, the B.C. Institute of Technology and the University of Victoria.

"These programs succeed because of the sense of ownership and pride people have for their university," says Bingley. "It also makes good sense—university budgets

should be used for education, not replacing damaged property or stolen equipment."

Theft of and from vehicles, vandalism to university and personal property, assault and verbal harassment are all reportable crimes.

Volunteers will form a board of directors to advertise the program, raise funds for promotions, review information about crime on campus and determine reward amounts. Board members do not know the identity of victims, witnesses or suspects.

In addition to serving on the board, students may contribute by participating in promotional events and video re-enactments of crime.

UBC crime statistics reported to the RCMP can be found through the community programs section of the Campus Security Web site at [www.security.ubc.ca](http://www.security.ubc.ca).

Campus Crime Stoppers is supported by the Alma Mater Society Innovative Projects Fund.

### MORE INFORMATION

Contact Jeff Bingley at (604) 822-3509 or e-mail [patrol@interchange.ubc.ca](mailto:patrol@interchange.ubc.ca).

## New curator grew up with roots in Botanical Garden

Douglas Justice plans to nurture ties with nursery trade

by Bruce Mason staff writer

THE WORLD'S MOST POPULAR outdoor activity is in high gear as gardeners turn well-laid plans into action and creation. Few will cover as much ground as Douglas Justice.

Justice was recently hired as curator of Collections and research scientist at UBC's famed 28-hectare Botanical Garden.

"I've always wanted to know everything about the plants around me," says Justice, who grew up with the garden.

In 1970, his father's landscape architecture firm designed much of what is seen today. The younger Justice spent many days on-site when he should have been in school, but eventually earned a Bachelor of Science in Horticulture and a master's degree in Botany at the university.

*The New York Times*, in a two-page article titled, "Vancouver's lush landscape," last August advised, "if you have time for only one green excursion choose the UBC Botanical Garden."

Justice agrees.

"The setting and backdrop rivals any garden, anywhere, but the *Times* writer was astonished by the number and variety of plants. That's a daily reaction of international visitors and experts who are visually startled."

His responsibilities include plant collections and he started with an inventory. The list of tens of thousands of plants has to be meticulously accurate, up-to-date and credible. Botanical gardens from China, Britain, and across the US and Canada regularly consult it and the UBC staff.

Justice honed his art and science at The Great Park at Windsor, England, in the B.C. Pavilion's native plant garden at Expo '86, in the VanDusen Garden and as a horticultural and botanical consultant.

A former horticulture instructor at Kwantlen University College, he worked on the curriculum for the B.C. horticulture apprenticeship program.

His plans include continuing to capitalize on the comparative advantage of the local climate and cultivating strong ties with the nursery industry.



New curator Douglas Justice

UBC has earned a unique international reputation for plant introductions. There are monetary benefits from royalties as well as opportunities to improve nursery stock to breed new and exciting plants.

"He brings a wealth of knowledge to us," says Bruce MacDonald, director, UBC Botanical Garden. "The university community will also benefit from his energy, enthusiasm and excellent teaching skills."

Ultimately gardens are for people and Justice, whose academic interests include Pacific Northwest native plants, is improving interpretive signs and labels to make the botanical garden more user-friendly.



toms and lung function. Must be 18-45 years of age, non-smokers, and NOT taking birth control pills. Honorarium and free peak flow meter provided. If interested, please call 875-2886.

**Parkinson's Research**

A research team from UBC is asking for the assistance of people with Parkinson's to participate in research. This research is aimed at understanding how Parkinson's may affect complex activities such as managing multiple tasks. Participation involves performing fairly simple tasks, some of which involve responding verbally to computer screen displays. The general goal of this work is to develop effective methods of coping with Parkinson's. If you are a healthy person of the age 50 years or older, we are also in need of several people to participate in this study as part of a non-Parkinson's comparison group. If you would like to participate or require more information, please contact Todd Woodward, Psychology 822-3227.

**Sexual Assault Research**

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

**Museum Of Anthropology Exhibition**

Attributed To Edenshaw: Identifying The Hand Of The Artist; Three Case Studies Northwest Coast Art. Continues to Aug. 31. Raven's Reprise: Contemporary Works by First Nations Artists. Continues to Jan. 31 2001. Conversations; The Dr. Miguel and Julia Tecson Philippine Collection. Continues to February. Echoes 2000. Mid-April to May. MOA hours Tuesday-Sunday 11am-5pm. Tuesday evening to 9pm. \$6 (adults), \$3.50 (students/seniors), \$15 (family). Free Tuesdays. www.moa.ubc.ca or call 822-5087 or 822-5950.

**Child Behaviour Research**

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

**Traumatic Stress Clinic**

Psychologists conducting research at the Traumatic Stress Clinic at UBC Psychiatry are offering free treatment to people suffering from Post-Traumatic Stress Disorder (PTSD). PTSD is caused by events such as physical or sexual assault, and motor vehicle accidents. Call the Traumatic Stress Clinic at 822-8040.

**Bike Repair Party**

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

**Vancouver Team Handball**

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

**TRIUMF Public Tours**

Tours are available every Wednesday and Friday to April 28, 2000 starting at 1pm and lasting approx. 1hr 15min. Group tours may be arranged by calling the TRIUMF Information Office 222-7355.

**Research Study**

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

**UBC Campus Tours**

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

**AMS Rentsline**

Helping students find housing since 1993, the AMS Rentsline is UBC's off-campus housing registry. This service gives students access to hundreds of rental listings, and landlords access to thousands of students looking for housing. You can call the Rentsline from any touchtone phone 24 hours a day, 365 days a year. Call 714-4848.

**Faculty Women's Club**

The Faculty Women's Club brings together women connected to the university either through their work or that of their spouses, for social activities and lectures. The main purpose of the Faculty Women's Club is to raise funds for student scholarships. There are 19 different interest groups within the club, ranging from art appreciation and bridge to hiking. Do come and join us! Call Barbara Tait, president 224-0938; Gwyneth Westwick, membership 263-6612.

**Twin Research**

Are you, or do you know a female adult twin? We are studying the relationship types of fraternal and identical female twins. If you can help by completing some questionnaires and being interviewed about relationships, please e-mail: tmacbeth@cortex.psych.ubc.ca or call Tannis MacBeth, Psychology at 822-4826.

**Research Study**

Hard-of-hearing University students are invited to discuss their post-secondary experiences for a PhD study. Involves interviews and the option of jotting down thoughts twice weekly over a three-week period. Honorarium to be provided. Contact Ruth Warick, graduate student, in the Dept. of Educational Services, UBC, Phone/fax 224-4198 or e-mail rwarick@interchange.ubc.ca.

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propriate signs and barriers, however sometimes unauthorized individuals remove these signs and barriers. Please approach work sites cautiously and respect signs and/or work crew instructions to avoid potential harm. Potential hazards including falling, electrical shock, burns, and other harmful events. If you have any questions concerning a UBC Utilities work site, please call 822-9445.

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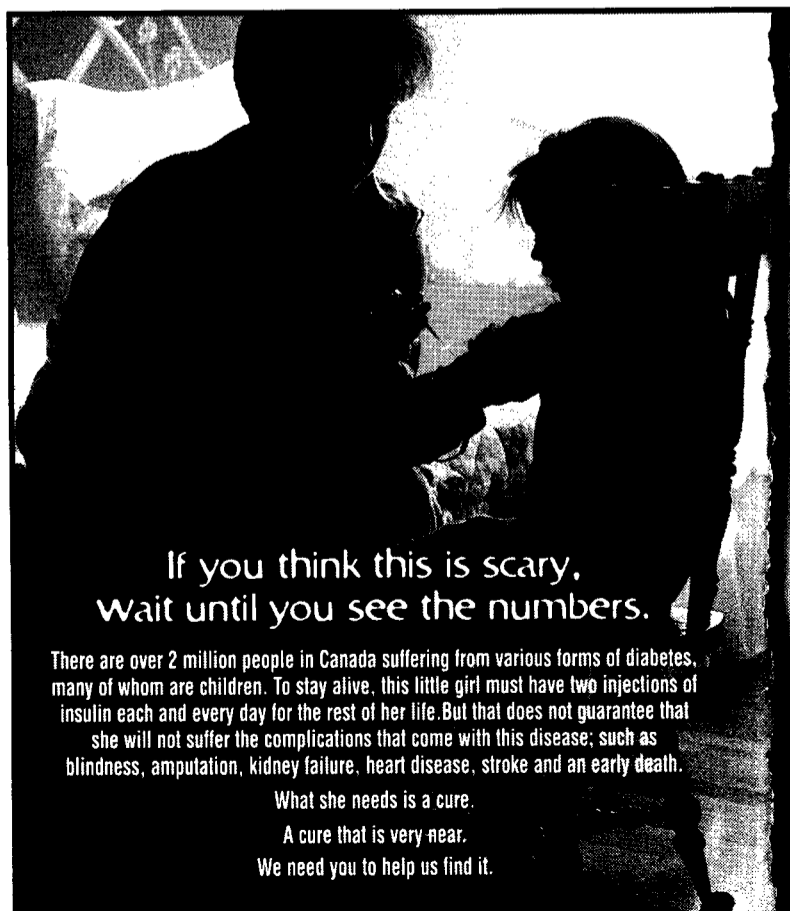
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## DIGEST

**Math team counts among top 10 in world**

The results are in and a team of three UBC students has placed in the top 10 in the 60th International William Lowell Putnam Mathematical Competition.

Undergraduates Joel Erickson, Jesse Goodman and Ho Sen Yung were coached by Mathematics Prof. Lon Rosen and Assoc. Prof. Rajiv Gupta.

It is the fourth time in the past nine years that UBC has placed in the top 10 in the competition.

B.C. was the only province to have two universities garner a top 10 berth with Simon Fraser University also placing.

Of the 2,900 students who wrote the test, seven of the top 24 students were from Canadian universities with UBC's Erickson and Goodman among that elite group. It is the fourth time in the last seven years that at least one UBC student has finished in the top 25.

"We've never had two students in the top 24," says Mathematics Dept. Head George Bluman.

In total, 431 North American colleges and universities were entered in the prestigious contest which

was won by the University of Waterloo with Harvard University second and Duke University third.

Among those finishing in the top 10 were the Massachusetts Institute of Technology, Princeton University and Stanford University.

Top performers in the annual competition have gone on to become some of Canada's leading scientists and mathematicians, say competition organizers.

**Native plant trend cultivated locally**

The second annual Native Plant Sale and Celebration at the Botanical Garden (6804 Southwest Marine Dr.) is April 9, from 11 a.m.-4 p.m. Eight south coast nurseries will be offering more than 200 species of native plants for sale.

The community event—which attracted 2,500 people last year—features informative exhibits and experts as well as free admission and tours of the university's famed Botanical Garden.

The unprecedented interest in native plants which is sweeping North America has taken root in the Lower Mainland and is growing rapidly. Vancouver Mayor Philip Owen has declared April 3-9 Backyard Biodiversity Week.

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*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.

# Project aims to pinpoint spots to head off hazards

Map will help streamline evacuation in an emergency

by Hilary Thomson staff writer

GARGANTUAN TRAFFIC JAM or orderly exit—what would happen if more than 40,000 students, faculty and staff had to evacuate the campus in an emergency?

UBC's Office of Disaster Management aims to find out with the hazard evacuation mapping project.

Creating a map that identifies locations of potential hazards on campus, developing evacuation routes and educating the campus community about how to leave Point Grey in an emergency are the current focus of project activities.

"We want to be pro-active in our emergency preparedness," says Mark Aston, manager of Environmental Programs. "Even a small-scale evacuation can be inconvenient without adequate planning. A large-scale event can be catastrophic."

Hazard mapping assistant Johannes Schumann, a UBC Geography graduate, has gathered information to produce an "aerial snapshot" of the campus that identifies potential hazards and evacuation routes.

Schumann has identified campus sites that have particular risks such as flammables, chemicals and other hazardous materials. He has layered that information onto a map showing roadways, power lines and the network of underground water, gas and sewer pipes.

The map organizes the campus into six zones and shows 14 points where volunteers will be positioned to direct traffic.

Emergencies such as gas leaks and earthquakes are also taken into account in determining hazards.

General hazard statistics such as locations and types of materials are being entered into a software program that will produce a computer model of hazards and exit routes. The model can be easily updated and used in planning before and during an emergency.

Evacuation route planning must be flexible enough to take into account the location of the hazard and to make way for incoming traffic.

"There's a common misconception that the familiar yellow and black triangular disaster response route signs show the way out in an emergency," says Aston. "In fact, those routes are blocked—they're for emergency responders only."

About 32,500 vehicles are on campus daily.

Because UBC is not governed by the Greater Vancouver Regional District it requires its own emergency procedures and resources, including an evacuation plan, says Aston.

The plan will serve the entire campus, including Acadia Park and Hampton Place and incorporate the needs of residents of the University Endowment Lands.

The next step is to get feedback on the plan from both campus and community emergency personnel, educate the campus community about evacuation routes and procedures and recruit volunteers to serve as directional point staff in an evacuation.

More than 95 people recently volunteered as part of the Emergency Social Services (ESS) program at UBC.

The program is designed to provide food, shelter, water and clothing in the event of a large-scale emergency or disaster. Volunteers would help provide translation and counselling services and organize feeding stations and shelter.

**MORE INFORMATION**

To become an emergency volunteer contact Pierre Tanguay, ESS volunteer coordinator at (604) 822-2990. For information about the plan check the Web site at [www.safety.ubc.ca](http://www.safety.ubc.ca) or call the Office of Disaster Management at (604) 822-1237.

## Honour Roll

**Cay Holbrook**, an associate professor of Educational and Counselling Psychology and Special Education, has been named the first recipient of the Holbrook-Humphries Literacy Award.

Sponsored by a grassroots group of teachers of the blind and visually impaired, the award is given for outstanding contributions to the advancement of literacy for individuals who are blind or have low vision.

Her research focuses on literacy for students with visual impairments, specifically those who read braille.

Holbrook is the first winner of the award, which is named in her honour.



Assoc. Prof. Cay Holbrook

Civil Engineering Prof. **Eric Hall** and PhD candidate **Pierre Bérubé** of UBC's Pulp and Paper Centre have won the Pulp and Paper Technical Association of Canada's (PAPTAC) I.H. Weldon Award for 1999.

The award recognizes the best paper presented by a member at a PAPTAC meeting during the past year. The pair won for their paper on a novel technique to help pulp mills reduce fresh water consumption and wastewater discharge in their operations.

Hall is a faculty associate of the Pulp and Paper Research Institute of Canada at the UBC Pulp and Paper Centre and the

senior NSERC/COFI Industrial Research Chair in Forest Products Waste Management in the Dept. of Civil Engineering.

Bérubé is working on his doctorate under Hall's supervision.

**Ahlay Chin**, a receptionist in the University-Industry Liaison Office, has been appointed an adviser to B.C.'s Minister of Health.

Chin will represent the Richmond area on a 15-member provincial mental health advisory council which will report on the progress of mental health reform.

Chin, who speaks five languages, founded the first Richmond Chinese Mental Health Support Group in 1995 to serve the Chinese population.

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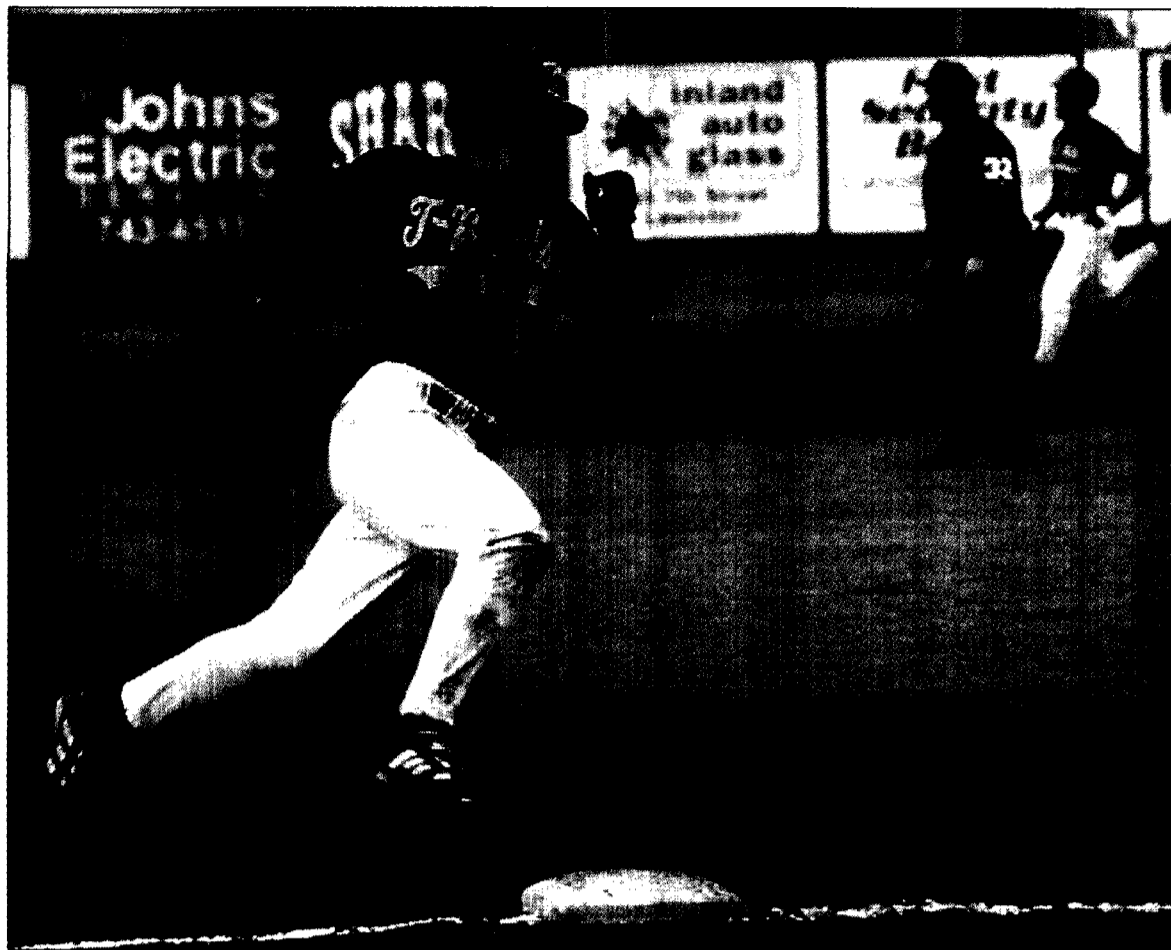
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Third-baseman Paul Jones shows how to hustle as he rounds the bases in a recent T-Birds road game. The bats will crack at Nat Bailey Stadium—the team's new home field—on Friday, April 14 at 6 p.m. when the 'Birds play their home opener against St. Martin's University from Washington state. UBC students and children under 12 can see the game for free. General admission at the stadium is \$3. Jeff Vallance photo

## Baseball team brings game home to Nat Bailey stadium

*It's batter up time again for UBC's heavy hitters as they head to the green, green fields of home*

by Hilary Thomson staff writer

THE INTOXICATING AROMAS of hot dogs, fried onions and fresh-cut grass will greet sports fans who want to root, root, root for the home team as UBC's baseball team hits the diamond in the home opener at Nat Bailey Stadium on Friday, April 14 at 6 p.m.

Under the leadership of UBC alumnus and head coach Terry McKaig, the 35-man roster is set to slug it out with Tacoma's St. Martin's University in the first of 18 home games. The spring schedule of 57 games is part of UBC's drive to a national title in the National Association of Intercollegiate Athletics, a group of 240 American universities and colleges.

"We're the first Canadian team ever to be allowed to play in the US system for an American championship," says McKaig, who has led the team since it was revived in 1997 after a 33-year break in the action.

Not only are the T-Birds back, but they're back as a recognized varsity team with a home field at Nat Bailey Stadium. The team previously held club status.

The stadium at Little Mountain opened in June 1951 and is named after major supporter and Vancouver burger king Nat Bailey, founder of the White Spot chain of restaurants. It seats 6,500 fans and has been home to some of North America's baseball greats, including Chicago Cubs outfielder Sammy Sosa.

Since the season opener Feb. 14, the team has posted a 7-9 win/loss record on the road. UBC is competing in the Pacific Northwest Independent Conference which includes universities and colleges from California, Washington, Oregon and Idaho.

Starting pitchers are southpaw Jeff Francis, a first-year Science student and right-handers Duane Penner, a third-year Arts student, and Jeff Brewer who is in second-year Biochemistry.

"If people won't come to the ballpark you can't stop them," warned the ever-enigmatic baseball soothsayer Yogi Berra. Attendance for the 'Birds at Nat Bailey shouldn't be a problem, however, with free admission for UBC students and children and \$3 tickets for general admission. Tickets are available at the stadium.

#### MORE INFORMATION

Check the Web site at [www.athletics.ubc.ca/baseball/index.htm](http://www.athletics.ubc.ca/baseball/index.htm). Individuals wishing to support T-Birds baseball can contact Andrew Grant, fundraising chair at (604) 331-5212.

## Study to nail down housing issues

*Researchers receive additional funds to investigate eco-friendly housing in Scandinavia, Canada and Japan*

by Andy Poon staff writer

A \$1.1-MILLION GRANT supporting research in sustainable Japanese wood housing has been extended from six to nine years through the injection of an estimated \$600,000.

UBC President Martha Piper joined Akira Yamaguchi, founder and president of the Winter Research Institute in Hokkaido, Japan on campus to sign the agreement.

The agreement with the institute will see the work of an interdisciplinary team expanded from studying wood structures in Japan and Canada to include housing in Scandinavia. In addition, collabo-

ration with the University of Tokyo and Harvard School of Public Health will be enhanced.

The team is led by researchers from the Dept. of Wood Science.

"This means that we can take a much more holistic approach to environmentally sound housing in the northern regions by including more countries," says Wood Science Assoc. Prof. David Cohen, the project's leader.

"This should also facilitate the transfer of ideas, technologies and concepts to produce housing which is more earth-friendly and contributes to society."

The research grant is based on

## Volunteer efforts earn recognition

*Reception and garden honour estimated 100,000-hour gift to university*

by Bruce Mason staff writer

A TINY GARDEN with a huge heart is attracting attention at the entrance to Cecil Green Park House. It celebrates something beyond value—the work of volunteers. Another plant will be added this month in honour of a volunteer whose name will be drawn from a hat at a reception for UBC's volunteers on April 13.

"Hundreds of volunteers donate at least 100,000 hours to the university every year" says Leslie Konantz, associate executive director of the Alumni Association. "Faculties, schools, departments, boards—we all benefit from their energy and expertise."

"Two years ago we began to recognize this remarkable contribution during National Volunteer Week with the Volunteer Reception and Garden," she adds, "and we are undertaking a study of volunteers' economic impact at UBC."

This year it's the Museum of Anthropology's (MOA) turn to host the reception.

Judith Eylr, who organized the event, made a call to the MOA 10 years ago when her children had grown and she had some time to devote.

"I asked if they accepted volunteers and was told, 'Do we ever. We call them associates and value them highly as part of the museum team,'" she says. "I've always enjoyed the museum and my work with the staff."

MOA director Ruth Philips, who will speak at the reception, says, "Our volunteers are vital, they make an essential contribution to virtually every aspect of the muse-



William Sauder and Judith Eylr

um, from education programs to work on collections, running the shop and providing hospitality to visitors."

Tish Davis, president of the 160 volunteers in Friends of the Garden (FOGs), who donated this year's plant, says, "Our purpose is to bring the community to the Botanical Garden and to stage special events to raise money to support its growth."

The plant is the UBC introduction *Vaccinium ovatum* 'Thunderbird,' a small evergreen huckleberry which shares its name with the university's athletic teams. FOGS are helping to make the outstanding shrub—with its intense red-bronze spring colour, profusion of pink flowers and edible berries—available to the world. It is sold in the Shop in the Garden.

Perhaps the most highly visible and hardest working UBC volunteer is Chancellor William Sauder, a graduate of the university and chair of International Forest Products Ltd. and Sauder Industries.

"I have benefited a great deal from the province and want to give something back," says UBC's 15th chancellor, who was first appointed in 1996 and is now serving a second term as chancellor.

"UBC is an increasingly important institution and our tireless and selfless volunteers recognize this and are helping the university meet its challenges," he adds. "We are truly indebted to them."

the recognition that a key component of sustainable forestry is to use renewable wood products for their "best" purpose.

In the summer of 1996, a six-person team of UBC researchers travelled to Japan to study the traditional and modern uses of wood in construction.

They were interested in the fact that despite the growth of residential highrises in Japan, there is a three-millennia-long practice of building with wood on the tiny island nation. As a result, close to 50 per cent of all residential housing is wood-based—unique in Asia where the preference is stone or masonry.

This led to collaborative research projects among faculty members from the Dept. of Wood

Science, the School of Architecture and the Dept. of Civil Engineering.

The projects range from looking at the use of wood in traditional Japanese temples to an analysis of roofing forms in areas with heavy snowfalls.

Cohen points out that the emphasis is on studying innovative ideas and practices that contribute to a "total housing system." Not only does this cover the design, promotion, production, construction and research that goes into building environmentally friendly wood-based buildings but also includes the social and health concerns related to the construction.

The extension to the grant will allow researchers to continue their work in these areas well into the middle of this decade.