THE UNIVERSITY OF BRITISH COLUMBIA

# UBC REPORTS

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■ Find *UBC Reports* on the Web at www.external-affairs.ubc.ca/paweb/reports/ ■

Kent Kallberg photo

## Going, Going, Gone

**The grads go marching one by one into the Chan Centre for the Performing Arts to receive their degrees during recent Congregation ceremonies. A record 23 ceremonies were held as more than 5,000 students graduated. It marks the first time that Congregation was held in the Chan Centre.**

# Grade 4s above average, study says

**by Gavin Wilson**

*Staff writer*

Canadian Grade 4 students have performed well in a UBC-based international test of mathematics and science skills, according to recently released survey results.

The second phase of the Third International Mathematics and Science Study (TIMSS) was written by Grade 4 students in 26 countries. The results of phase one, which tested Grade 8 students, were released last November.

The latest results show that Canadian Grade 4 students averaged 64 per cent in science, five percentage points higher than the international mean. In mathematics, the Canadian score was 60 per cent, one percentage point higher than the international mean.

Comparing overall achievement in science between Canada and other participating nations, five countries scored higher, seven attained similar results and 13 had lower averages. In mathematics, eight scored significantly higher, seven did as well and 10 did significantly more poorly.

"The results are good news for Canada, and represent an important step forward in our understanding of how students are taught and learn these two critical subjects," said David Robitaille, international co-ordinator of TIMSS and head of the Faculty of Education's Dept. of Curriculum Studies.

"Not all countries performed as well in Grade 4 as they did in Grade 8. Canadian students, however, performed quite well and at about the same level in both grades," he said.

Robitaille added that while the release of test results for grades 4 and 8 represent an important step for TIMSS, its work is far from over.

"The more significant analyses, looking for links between curriculum and teaching practices on the one hand and

*See* ***TEST*** *Page 2*

# Three faculty named to rank of dean

Three UBC faculty members have been chosen to head their faculties for six-year terms beginning July 1.

Prof. Moura Quayle has been appointed dean of Agricultural Sciences. Prof. Michael Isaacson has been named dean of Applied Science, and Prof. Joost Blom becomes dean of Law.

"These outstanding individuals take on the dean's role at an exciting time for the university. I am confident their demonstrated abilities as leaders and scholars will serve each of them well during their tenure as dean," said Dan Birch, vice-president, Academic and Provost.

Prof. Quayle, who is currently director of UBC's Landscape Architecture Program, chaired the City of Vancouver's Urban Landscape Task Force and continues to advocate its vision of Vancouver in 2010 including the Vancouver Greenways Plan. While working

*See* ***DEANS*** *Page 2*

**Quayle**

**Isaacson**

**Blom**

# UBC, Hong Kong form education partnership

The medical schools of the University of British Columbia and the University of Hong Kong and their affiliated teaching hospitals have announced a major new research and education partnership.

The two medical schools will collaborate on an extensive program of research and education in diseases of the heart and brain, the greatest causes of death and disability in advanced societies on both sides of the Pacific.

The collaboration, to be known as the Pacific Education and Research Liaison in Cardiovascular Research and Neuroscience (PEARL), was recently announced in Vancouver by UBC Dean of Medicine Dr. John Cairns and HKU Dean of Medicine Prof. S.P. Chow. The agreement was announced in Hong Kong in April.

PEARL is the most comprehensive collaboration entered into by either school and sets the stage for highly productive new research initiatives between the two Pacific Rim centres of expertise. The teaching hospitals involved include St. Mary's in Hong Kong, Vancouver Hospital and Health Sciences Centre, B.C.'s Children's Hospital and St. Paul's Hospital.

"The partnerships will build on the common ties of business and family between Vancouver and Hong Kong," Cairns said. "PEARL will be supported by an active and ongoing exchange of people — scientists, students and practising specialists — as well as by high-speed electronic and telecommunications links. It promises both universities and their affiliated teaching hospitals an opportunity for research, cultural and economic growth."

Signed on the eve of Hong Kong's historic transition from British governance to Chinese rule, both partners see this collaboration as a vote of confidence in a strong future for Hong Kong as a part of the People's Republic of China, and in a strong and fruitful relationship between Vancouver, Hong Kong and China, he added.

The neuroscience collaboration will help in the search for new therapies for neurological disease and disorders, many of which are increasing as the population ages. These include stroke, schizophrenia and Alzheimer's and Parkinson's diseases.

*See* ***HONG KONG*** *Page 2*

## Inside

**Ballot Bingo** 3

Commerce's Election Stock Market beat out the polls in predicting the vote

**Taking Stock** 5

Who invests in B.C. research companies? UBC does

**Expert Advice** 13

Canada's Year of Asia Pacific: UBC expertise paves the way for discussions

**Worldly Wise** 16

Global issues will be the focus of the new Liu Centre

# Test

*Continued from Page 1*

student achievement on the other, are still to come, and efforts are under way to raise the money needed to carry out those analyses," he said.

TIMSS is the world's largest test of mathematics and science skills. Test results were released in St. John's, Nfld. in conjunction with the Learned Societies conference.

The TIMSS survey marks the first time in an international study that Canada was represented by a national sample of schools, including public, private, separate, English and French-speaking. Five provinces — B.C., Alberta, Ontario, New Brunswick and Newfoundland — selected samples large enough to make interprovincial comparisons possible.

There was no significant difference in achievement between Canadian boys and girls in either subject, paralleling results for Grade 8.

TIMSS, launched in 1991, compares mathematics and science curricula and teaching methods of school systems, as well as achievement scores and attitudes of students toward the subjects.

TIMSS was conducted under the auspices of the International Association for the Evaluation of Educational Achievement (IEA), an association of universities, research institutes and ministries of education which conducts co-operative international research studies in education.

Funding for Canadian participation and international coordination of the study was also provided by Human Resources Development Canada, Industry Canada and the B.C. Ministry of Education, Skills and Training.

# Deans

*Continued from Page 1*

under a joint appointment with the School of Architecture, she established a community design workshop to give students experience in local neighbourhoods and communities. Quayle has received numerous research, professional and service awards, as well as awards for excellence in teaching. She replaces Dean Jim Richards, who steps down after serving as dean for 12 years.

Prof. Michael Isaacson has served as head of the Dept. of Civil Engineering since 1992. His research in coastal and offshore hydrodynamics, with particular emphasis on ocean waves and their effects on coastal and offshore structures, has led to numerous awards, including UBC's Killam Research Prize and the R.A. McLaughlin Award, the primary award of the Association of Professional Engineers and Geoscientists of B.C. He has supervised more than 30 master's and doctoral students and published more than 200 research papers. Isaacson was a member of the university Senate for six years and has served as chair of the Senate Budget Committee. He replaces Dean Axel Meisen who steps down after serving as dean for 12 years.

Prof. Joost Blom has served as both associate dean and acting dean in the Faculty of Law. His areas of expertise include private international law, tort law, contract law and intellectual property. Blom has been extensively involved in both the university and legal communities. He has served as president of the UBC Faculty Association and on numerous university committees, including the Cecil and Ida Green Visiting Professorships Committee which he has chaired since 1994. He has also served as president of the Vancouver Institute and remains an executive member. An alumnus of UBC, and Harvard and Oxford universities, Blom received the designation of Queen's Counsel (B.C.) in 1985. Blom replaces Dean Lynn Smith who steps down after serving as dean for six years.

Please Recycle

# Hong Kong

*Continued from Page 1*

Studies will also examine traumatic injuries to the brain and spinal cord, as well as genetic and molecular bases of neurological and psychiatric disorders.

A high-speed bilateral communication link will enable scientists to operate as an institute without walls, and researchers on both sides of the Pacific will have access to the same gene and brain-mapping facilities.

The cardiovascular collaboration will investigate blood vessel and heart muscle diseases. Such diseases, particularly atherosclerotic disease, are the leading cause of death in Canada and increasing rapidly in Hong Kong's Chinese population.

For example, PEARL will provide the ability to study atherosclerotic disease in Hong Kong — where cholesterol counts have almost reached U.S. levels — and compare it to first-generation immigrants and subsequent generations of Vancouver's Chinese population.

This offers an opportunity to compare the roles environmental factors may play in this disease. The results can also be compared to Vancouver's Caucasian population.

Education will also play a key role in PEARL. Joint training of undergraduates, postgraduates and post doctoral fellows will be offered, as will exchanges. Short, intensive courses on specialty topics will be jointly taught by faculty members. Exchange of expertise in hospital-based care will also be possible.

Another important component of PEARL is community outreach. Plans include public seminars and newsletters to assist the public in disease prevention and control.

# President recognized for community leadership

UBC President David Strangway is this year's recipient of the Vancouver Board of Trade's Community Leadership Award.

The award recognizes his accomplishments during a 12-year term as UBC's 10th president.

The board cited Strangway as having "cemented UBC's role as one of the foremost Pacific Rim universities and established a path of development that will take the campus into the new millenium."

Previous recipients of the award include: the Honourable John Fraser, former speaker of the House of Commons; the Honourable Grace McCarthy, former Socred leader; and Patrick Reid, former commissioner general, Expo '86.


**Edwin Jackson** **224 3540**

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## OFFICIAL COMMUNITY PLAN FOR UBC AREA

The Greater Vancouver Regional District (GVRD) board will soon give final consideration to the Official Community Plan bylaw for the UBC area. At GVRD's request, UBC has provided further information on the transportation, housing and community services sections of the proposed plan.

The public is invited to comment on UBC's response at a special meeting of the GVRD electoral areas committee.

**Thursday, June 19, 1997**
**7:30 p.m.**
**Rooms 214-216**
**Student Union Building**
**The University of British Columbia**
**6138 SUB Boulevard**
**Vancouver, B.C.**

A copy of UBC's comments on these issues can be obtained from the GVRD electoral areas administration office by calling 432-6369.

If you wish to appear as a delegation, please submit a written request to the GVRD Corporate Secretary at 4330 Kingway, Burnaby, B.C. V5H 4G8 (or fax 432-6248) prior to June 19.

**For further information, call 432-6340**

Greater Vancouver Regional District

## The Official Community Plan for UBC

**Want to know more** about the Official Community Plan for UBC?

On the Internet, point your browser to:

http://www.cpd.ubc.ca/ocp/index.htm

For a copy of UBC's response to the Greater Vancouver Regional District, please call 822-9211.


UBC REPORTS

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**Managing Editor:** Paula Martin (paula.martin@ubc.ca)
**Editor/Production:** Janet Ansell (janet.ansell@ubc.ca)
**Contributors:** Stephen Forgacs (stephen.forgacs@ubc.ca), Charles Ker (charles.ker@ubc.ca), Gavin Wilson (gavin.wilson@ubc.ca).

Editorial and advertising enquiries: (604) 822-3131 (phone), (604) 822-2684 (fax). UBC Information Line: (604) UBC-INFO (822-4636)

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Charles Ker photo

## Tour Time

**Bonnie Ng and Adrian Bois are conducting free walking tours of the campus to visitors during the summer months for the Ceremonies and Events Office. The 90-minute tours are offered twice daily from Monday to Friday at 10 a.m. and 1 p.m. As well, UBC School and College Liaison Office conducts tours on Friday mornings designed for prospective students. For more information call Bonnie or Adrian at the Campus Tours office, located in the main concourse of the Student Union Building, at UBC-TOUR (822-8687).**

# Unhappy Senate bows to mandated increase

**by Stephen Forgacs**

*Staff writer*

UBC's Senate recently voted to "reluctantly" and "grudgingly" accept a government mandated increase in enrolment of 3.2 per cent for the coming year. The vote was a reversal of Senate's decision in April to refuse to accept further enrolment increases without an accompanying increase in funds.

Senator and Science Dean Barry McBride said a refusal to accept the increase would have left the faculties in an even worse predicament than the one they face this fall.

"Clearly Senate was unhappy to have to reverse its decision not to accept any more students, but we felt the consequences were worse if we didn't. The dollar value was just too much," he said.

Prior to passing the motion regarding enrolment, Senate amended it to read: "that Senate reluctantly approve and grudgingly recommend approval by the Board of Governors of the proposed enrolment plan, quotas and targets of the various faculties and schools . . ."

The Ministry of Education, Skills and Training is withholding $2 million in funding from UBC because the university did not meet the ministry's targeted enrolment increase this year.

Victoria had requested a four per cent enrolment increase in 1996/97 and a further one per cent in 1997/98. UBC was also expected to make up a shortfall from 1995/96, when enrolment was four per cent under funded levels.

Meanwhile, the Ministry of Education, Skills and Training has announced it will reduce UBC's operating grant to UBC by one-half per cent and has also frozen tuition fees for a second year.

Dan Birch, vice-president, Academic, said the university was told to increase its enrolment by 3.2 per cent — more than 800 students — in the coming academic year.

McBride said he and Birch have met with senior ministry staff and are arranging to meet with Education, Skills and Training Minister Paul Ramsey to convey Senate concerns about the impact on academic quality.

"We want to express our very real concerns about the impact of what are essentially severe cuts in our budget and our ability to deliver quality education, and to carry out our mandate as a major research university," McBride said.

**"There just isn't any room left to cut anymore without seriously compromising research and teaching."**

—Dean Barry McBride

"We want to assure the minister that we have been particularly effective in increasing our efficiency . . . We have done our part in making this as efficient an operation as we can. There just isn't any room left to cut anymore without seriously compromising research and teaching."

Prof. Paul G. Harrison, chair of the Senate Admissions Committee, said Senate's decision not to resist the enrolment increases will have major implications for the university next fall.

"In first-year courses we're going to see the same sorts of problems that were caused by increases last year," he said, adding that last year's bulge of first-year students will now also pose a challenge as they move into second year.

McBride said that the rising cost of "doing business" — in terms of materials, staffing and other operating expenses — coupled with enrolment increases and flat funding have led to fewer labs and larger class sizes in the Faculty of Science and fewer resources for students. The Faculty of Arts and other faculties face similar challenges.

# Market predicted slim squeaker for Liberals

**by Stephen Forgacs**

*Staff writer*

Twenty hours before the last federal election polling station closed its doors on June 2, traders on UBC's Election Stock Market (UBC-ESM) had already predicted the Liberal party's slim majority bang on.

And traders on the UBC-ESM did a better job of predicting distribution of the popular vote among the parties than two of the major pollsters. The market came out ahead of polls conducted by Gallup and Angus Reid on May 30, being bested only by the Environics poll.

The seats market, which traded based on the projected number of seats to be won by the major parties or others, predicted the Liberals would win 154 seats (51 per cent of seats) while the Globe and Mail newspaper predicted 172 to 179 seats on May 31. The Liberals ended up with 155 seats, or 51.5 per cent.

The market was a bit off with the other parties, however, with traders on the seats market showing too much confidence in the Progressive Conservatives (27 seats predicted/20 seats actual), and too little in the New Democratic Party (15 predicted/21 actual). Similarly, the Bloc Quebecois did better than market predictions (36 predicted/44 actual) and Reform did worse (66 predicted/60 actual).

"In general I'm quite pleased with how the market did. But it has to be kept in mind that the market was much smaller this time than in 1993 because of a late start," said Commerce and Business Administration Prof. Tom Ross, who with colleague Prof. Werner Antweiler serves as a director of the market. About 100 traders participated in the market—just enough, said Ross, to allow for relatively accurate predictions. The traders invested about $23,000.

As a research project, the UBC-ESM generates valuable data that will provide insights into market and trader behaviour.

Traders on the market in 1993 also predicted the final outcome of popular vote in the federal election with great accuracy, although few were able to predict the extent of the Liberal sweep.

UBC-ESM also operated three markets during the 1996 B.C. provincial election.

Typically, three markets are operated: the Seats Market, which trades based on the projected number of seats to be won by the major parties or others; the Vote Market, which trades on the percentage of popular vote each party is likely to win; and the Majority Government Market, which trades on the likelihood of any party winning a majority.

The UBC-ESM is a fully computerized market with no brokers or other intermediaries. Registered traders log into their market accounts from their own computer terminals to check market prices or account information and extend offers to buy or sell. No commissions or other fees are charged to traders.

# New university librarian, AVPs chosen

The appointments of two associate vice-presidents and a new university librarian were recently approved by the Board of Governors.

Catherine Quinlan has been named University Librarian for a six-year term and will join the university in October.

The university librarian is the academic and administrative leader of library services at the university.

Quinlan was most recently director of libraries and chief librarian at the University of Western Ontario, where she administered a budget of $18 million and 240 full-time staff working in 10 sites.

She is also the former director of the Health Sciences Library in the Faculty of Medicine at Memorial University. Quinlan, who is completing a PhD at the University of Warwick, England, held academic positions at both institutions.

She replaces Ruth Patrick, who steps down at the end of June. Patrick, who has served as University Librarian for seven years, will take a year's administrative leave before returning as a reference librarian in the Education library.

Ted Dodds has been named associate vice-president, Information Technology and Chief Information Officer without term, effective June 9.

His responsibilities include central computing services, data networking, telecommunications, academic and administrative systems management, media services and UBC Press.

Previously, Dodds was director of computing services at the University of Windsor, where he managed a department of 55 staff.

Dodds replaces Bernard Sheehan, who left UBC to become president of the Technical University of B.C.

Both positions report to the vice-president, Student and Academic Services.

Frank Eastham has been appointed associate vice-president, Human Resources, reporting to the vice-president, Administration and Finance.

Stephen Forgacs photo

**In one of the Advanced Materials and Process Engineering Laboratory's clean rooms, research engineer Al Schmalz holds a silicon wafer similar to those used to manufacture micro-electronic and optical devices such as semiconductor lasers and high-speed transistors. TRIUMF recently donated $1-million worth of microfabrication equipment to UBC, some of which is seen here.**

# TRIUMF gift sets stage for local micro manufacturing

**by Stephen Forgacs**

*Staff writer*

Sophisticated microfabrication equipment donated to UBC by TRIUMF will boost the high-tech manufacturing industry in B.C., says Tom Tiedje, director of UBC's Advanced Materials and Process Engineering Laboratory (AMPEL).

The equipment, worth about $1 million, will be used at UBC to make micro-electronic and optical devices such as semiconductor lasers and high speed transistors.

"In B.C. we have a strong software industry and a pretty good systems industry. But people are buying components from other places and then putting systems together here," Tiedje said. "There's little manufacturing capability in B.C. for these components, with most of the manufacturing done in the U.S. or the Far East."

Clean rooms in AMPEL were an important factor in TRIUMF's decision to donate the equipment, Tiedje says. AMPEL provides an ideal environment for the operation of the sensitive equipment which uses a photolithographic process to imprint patterns — visible only through a microscope — on silicon or compound semiconductor wafers.

TRIUMF staff will continue to have access to the equipment which will be used primarily by graduate students in the departments of Electrical and Computer Engineering, Physics and Astronomy, and Chemistry. Graduate students will be trained to use the equipment by a research engineer and then carry out their processing work themselves. The knowledge they gain is what will help the manufacturing industry, Tiedje says.

"If you want to start a business manufacturing integrated circuits or electronic components, the main difficulty is finding the knowledge and skilled personnel to do it. These people don't develop in a vacuum. People require training, and training requires facilities like this," he says.

Since microfabrication equipment involves a variety of expensive pieces of processing equipment, multiple users are required to justify the capital and operating costs. The AMPEL facility makes this possible by bringing together people from different disciplines with a common interest in microfabrication, Tiedje says.

"The TRIUMF donation is extremely important because it provides us with a complete working facility that would otherwise have taken us many years to put together from several funding sources."

# Alumni donate millions to campus

UBC alumni gave more than $1 million to the university through the 1996/97 Annual Fund campaign.

This is the second consecutive year in which alumni donations to the campaign have exceeded $1 million. In total, alumni have given more than $4.25 million to the university in the last fiscal year.

Faculty of Applied Science alumni donated the greatest amount to the Annual Fund at $144,000, with Faculty of Commerce and Business Administration alumni in second spot with $118,000.

The Annual Fund includes five separate appeals: The Alumni and Class Act appeals, and the Faculty/Staff, Parents, and Wesbrook appeals.

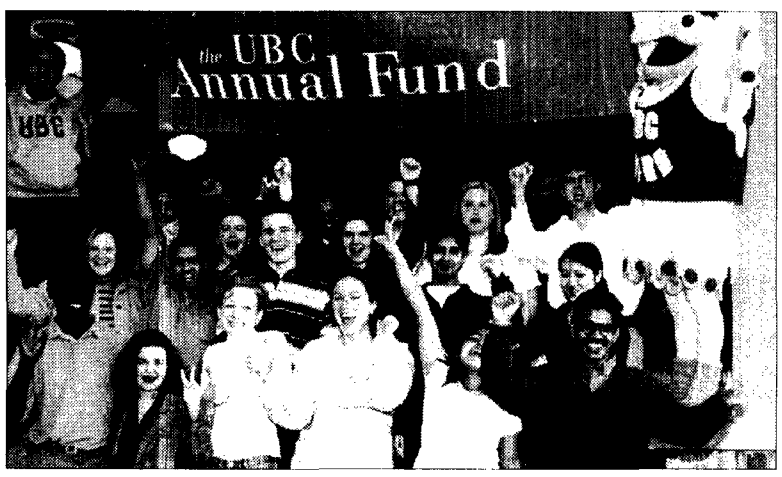
"More than 200 faculty, staff, student and alumni volunteers put an incredible amount of work into the Annual Fund campaign," said Geraldine Dunnigan, Annual Fund manager. "There's no question that without the support of those volunteers the campaign could not achieve the level of success it does year after year."

Alumni donations received through this year's Annual Fund campaign reached $1,118,177, comprising roughly two-thirds of the fund total of $1,691,561.

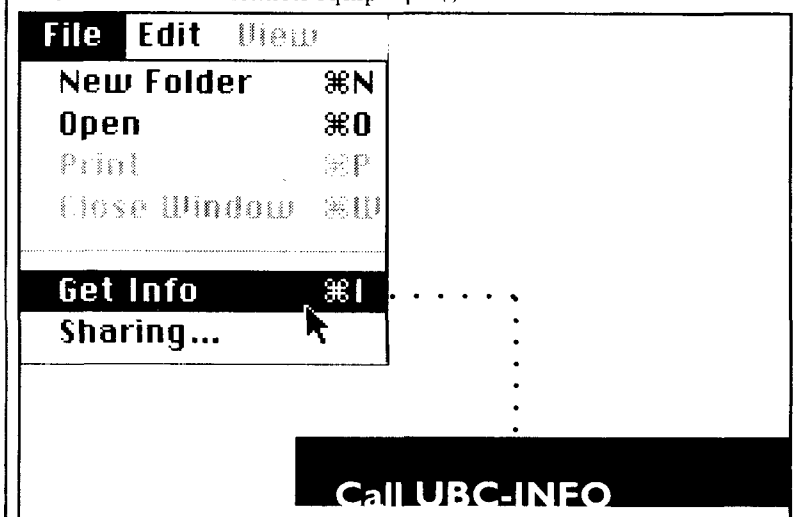
The second highest contribution to the campaign came from graduating students who pledged $230,010 through the Class Act appeal. Student donations through Class Act go toward faculty-specific projects each year.

The faculties of Dentistry and Pharmaceutical Sciences achieved the appeal's highest participation levels, with 80 per cent of their graduating students contributing.

The 1997/98 campaign is already well underway, Dunnigan said. The university recently received a $10,000 gift from an Engineering Physics alumnus in response to the program's 50th anniversary appeal.




**Student telepledge staff, who, along with more than 200 volunteers, play a major role in the success of UBC's Annual Fund campaign, celebrate the 1996/97 campaign closure. The callers helped raise more than $1 million of the $4.2 million donated by alumni to UBC during the year ending March 31.**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**President's Office**
**Executive Director**

As a key member of the President's Office, the Executive Director reports directly to the President of the University of British Columbia. The incumbent will serve as a member of the President's Executive and University's Leadership Committees in addressing strategic issues affecting the future of the University and will support the University's academic, research and service missions. The Executive Director will be responsible for the following: assisting the President and Vice-Presidents on a variety of strategic initiatives; interacting with a diversity of internal and external constituents including students, faculty, staff, members of the Board of Governors and Senate, University visitors, Canadian and international government officials and members of the Canadian and international business community; overseeing projects; researching, analyzing, writing and reporting on a wide variety of issues; and, ensuring resolution of matters brought to the attention of the President's Office.

Applicants must possess an advanced degree, or an equivalent combination of education and experience plus a minimum of ten years' related experience. A faculty secondment would be an asset. Extensive knowledge of University procedures, policies, governing bodies and administrative systems and related external organizations is required. Superior communication, interpersonal, analytical, conflict resolution, research and writing abilities are essential. A demonstrated ability to exercise tact, discretion and diplomacy and a high level of sensitivity respecting the importance and diversity of the University's internal environment and external relationships is necessary.

Salary will be commensurate with qualifications and experience. Please forward your curriculum vitae or resume and three references to: Dr. Martha C. Piper, President-Designate; UBC, 6328 Memorial Road, Vancouver, BC V6T 1Z2. Closing date: 1997 July 04.

The University of British Columbia hires on the basis of merit and is committed to employment equity. The University encourages all qualified persons to apply.

Charles Ker photo

**Sue Laing travels to UBC two days a week from her home in Qualicum Beach to take a print-making course. Laing, one of 3,777 students enrolled through UBC Guided Independent Study (distance education), hopes to begin a master's program in fine arts next year.**

# University puts stock in home-grown research

Equity holdings of the University of British Columbia in research-based enterprises — most of which were created from UBC research — reached $6.9 million as of March 31, 1997.

The university holds equity in 28 knowledge-based companies, 27 of which were created from UBC research. This latest market value represents a 17 per cent increase from the same time in 1996 when the university carried shares in 23 spin-off companies.

"Forming new high technology companies is a natural progression of UBC's research activities that brings direct economic and social benefits to the region," said Bernard Bressler, UBC's vice-president, Research.

"These ventures maximize the value of UBC's research program, and represent an important stream of revenue in the form of related research contracts, royalties and equity that in turn supports ongoing research."

UBC began negotiating equity options in 1988 for two reasons: to support start-ups by reducing the cash burden and financial inflexibility imposed by royalty payments, and to enable the university to capture growing capital values in companies whose revenues are not typically realized for seven to 12 years from inception.

Ventures West President Michael Brown said UBC's willingness to accept an equity position in lieu of royalties is a significant development for new knowledge-based companies in the province.

"Combined with increased access to early stage funding available through the venture capital community, this improves the potential for success for these otherwise risky enterprises," said Brown, whose company is one of three fund managers overseeing a $25-million fund supporting early stage development of new technologies in Western Canada. "We hope that UBC's movement in this area will inspire other Canadian universities to follow suit."

**"Forming new high technology companies is a natural progression of UBC's research activities that brings direct economic and social benefits to the region."**

— Bernard Bressler
Vice-president, Research

Establishing a new venture includes formalizing the rights to commercialize the underlying UBC technology through a license agreement. Such rights are granted to a company in exchange for equity and/or royalty participation for both the inventors and the university.

UBC acquires all shares under these agreements, and maintains a sell-only position. Liquidation of holdings is based on company event milestones and share prices, with sell decisions exercised only after full public disclosure of any company developments. Shares held by inventors are not managed by the university.

Of the 28 companies in UBC's equity portfolio, 26 are located in British Columbia; 19 are private companies and nine are public; 16 companies or 57 per cent are in the life sciences sector, nine companies or 32 per cent are in the physical sciences sector, and three companies or 11 per cent are in the information technology sector. The 19 private companies account for $4.7 million of the portfolio's total market value, with the nine public companies representing the remaining $2.2 million.

Companies in which UBC holds shares include Inex Pharmaceutical Corp., Forbes Medi-Tech Inc., ID Biomedical Corporation, IGT Pharma Inc., Micrologix Biotechnology Inc., Pacific Asia Technologies Inc., Westport Research, Inc., Aurora Instruments Ltd., Glucogenics Pharmaceuticals Inc., GMW SpeakerTape Corporation, Ingenix Biomedical Inc., Kinetek Pharmaceuticals Inc., NeuroVir Inc., Synapse Technologies Inc. and TerraGen Diversity Inc.

UBC technology transfer activities are managed by the University-Industry Liaison Office (UILO). Since 1984 the UILO has licensed over 220 UBC inventions, has actively participated in the creation of 72 spin-off companies, and has established a database of over 450 value-added UBC technologies ready for licensing, joint research and development, and investment.

# Study puts high-tech learning under glass

The proliferation of technology-based, distance education courses has prompted two UBC studies looking into their effectiveness.

"Lots of people have taken the plunge into using new technologies for teaching, but we only now have enough examples of regular programming to evaluate what their impact is on learners," says Tony Bates, director of Distance Education and Technology at UBC Continuing Studies.

Bates, along with colleagues Starr Owen and Silvia Bartolic-Zlomislic, is directing a cost-benefit analysis of new communication technologies as well as a study of how adult learners respond to technology-based teaching.

The results of the two-year research projects will assist course developers in identifying design issues, technology support requirements and costs to students.

Bates says the adult learning study will answer questions such as whether there are gender-based differences in technology-based learning.

"Do these course delivery methods appeal to women due to greater flexibility or will these methods be considered too impersonal?" Bates asks. "This kind of technology isn't suitable for everybody so what we're trying to do is sort out who it is most appropriate for."

The adult learning project, funded by the federal government's Office of Learning Technologies, will involve 20 case studies of higher education courses at UBC, the University of Victoria, Simon Fraser University, the Open Learning Agency and a consortium of B.C. Community Skills Centres. Researchers will use a mix of questionnaires and interviews with students and faculty for the project. Each case study will involve at least 50 students who will discuss their experiences with face-to-face and print-based courses as well as those with a technology component.

The cost-benefit analysis study, federally funded under the $13.5-million Network of Centres of Excellence (NCE) TeleLearning, will focus on six of 26 NCE TeleLearning projects across Canada. The NCE projects, managed out of SFU, are examining new ways of teaching using on-line technologies like the Internet.

Says Bates, "There are significant up-front costs associated with developing technology-based learning materials but also great potential for substantial savings such as time away from work. This type of research will provide institutions and companies with a method to ensure their investment pays off."

Bates adds that there are more than 100 technology-based courses offered among the five universities and learning institutions participating in the two studies.

Two years ago, UBC Distance Education and Technology was developing six new courses a year which were mainly print-based with some video and audio support. Today, the UBC Continuing Studies operation develops close to 30 courses yearly, the majority of which are delivered via the World Wide Web and CD- ROM. The latest five-course offering — a collaborative program on teaching technologies between UBC and the Monterrey Institute of Technology in Mexico — is offered in both countries over the Internet.

"It's no longer a question of delivery to North Vancouver," says Bates. "It's a matter of going off campus to anywhere in the world."

The studies conducted by Bates and his colleagues are to end in March 1999. Bates says final results and frequent status reports will be shared through publications, conferences and the World Wide Web at research.cstudies.ubc.ca.

# Staff, university reach landmark agreement

UBC's management and professional (M&P) staff have, for the first time, negotiated an agreement on conditions and terms of employment with the university.

The Board of Governors recently ratified the Agreement on Conditions and Terms of Employment. The Board also approved salary increases for M&P staff.

Sarah Dench, president of the Association of Administrative and Professional Staff (AAPS), which represents all M&P staff, said the agreement will help to delineate many common practices and includes some improvements in terms and conditions of employment which had previously been determined by the university unilaterally.

"The university was pleased to reach an agreement with AAPS on very substantial employment issues, while at the same time retaining flexibility inherent in the university's relationship with its M&P staff," said Marcelle Sprecher, acting associate vice-president, Human Resources.

Sprecher also praised AAPS's and the university's negotiating committees for their work on the agreement.

All active M&P staff covered by the collective agreement should see a retroactive pay increase reflected in pay cheques later this month.

Management and professional staff voted to ratify the agreement in early May. Of 326 valid votes cast, 299 were in favour, while 27 were opposed.

"The AAPS Executive Board is pleased with the agreement and the strongly positive ratification by M&P staff," Dench said.

AAPS won approval to represent all management and professional staff at the university, whether they are AAPS members or not, in 1995. In early 1996, the university and AAPS representatives began negotiations to establish the first collective agreement.

M&P staff comprise almost a fifth of all full-time non-faculty employees at the university.

The agreement deals with employment issues ranging from flextime, performance evaluation and professional development to parental leave and job sharing.

Dench said the aim of the negotiating committee was to establish a minimum standard or basic platform for employment, which would support and protect, but not limit nor inhibit M&P staff in the workplace.

# Calendar

## June 15 through July 12

### *Monday, June 16*

**Resident Speaker Series**
Oregon And Global Transformation: Is Oregon Prepared To Succeed In The 21st Century? Katherine Richardson, School of Community and Regional Planning. Green College, 5:30pm. Call 822-6067.

### *Tuesday, June 17*

**Law and Society Seminar Series**
Corporations And Annual Reports. Rob McQueen, Law and Legal Studies, Latrobe U, Australia. Green College, 12pm. Call 822-6067.

**Seminar**
Criminal Harassment And The Justice System. Judith Milliken, Crown Counsel. Buchanan B-314, 1:30-3:30pm. Call 822-6353.

**Earth and Ocean Sciences - Oceanography Seminar**
Gravity Waves In The Middle Atmosphere. Kevin Hamilton, Geophysical Fluid Dynamics Laboratory, Princeton U. BioSciences 1465, 3:30pm. Call 822-1814.

### *Thursday, June 19*

**Anatomy Seminar**
Dietary Essential Fatty Acids And Behaviour: A Search Strategy. Dr. Patricia Wainwright, Health Studies and Gerontology, U of Waterloo. Friedman 37 (basement), 12:30pm. Call 822-6214.

**Faculty Development Seminar**
Reflections On A Sabbatical Leave: A Panel Discussion. Jim Gaskell, Jane Gaskell, Judy Myers, Jamie Smith. David Lam Basement Seminar Room (use outside entrance behind Trekkers), 3-5pm. To register, call 822-9149.

### *Friday, June 20*

**Pediatrics Grand Rounds**
Epidemiological Factors Influencing Acute Leukaemia In Canada. Dr. Mary McBride, Epidemiology and Cancer Prevention, BC Cancer Agency. GF Strong Auditorium, 9am. Call 875-2307.

**Health Care and Epidemiology Rounds**
Accelerated Aging, Socioeconomic Status And Early Cataract: Results From The B.C. Linked Health Database. Dr. David Meddings, Community Medicine Resident. Mather 253, 9-10am. Call 822-2772.

**Centre for Health Services and Policy Research Seminar**
A Comparison Of Outpatient Mental Health Services Use In Ontario And The United States. Dr. Steven J. Katz, U of Michigan Medical Centre. IRC 414, 12-1pm. Call 822-4969.

### *Saturday, June 21*

**Workshop**
Internet Workshop For Building And Design Professionals - Macintosh. Various speakers. West Mall Annex Computational Design and New Media Lab, 1933 W. Mall, 9am-5pm. $230 (sharing one terminal, $270 (dedicated terminal). Cost includes course materials, lunch and a certificate. Call 822-3347.

### *Monday, June 23*

**Resident Speaker Series**
Engendering Chinese Politics: Beijing Women's Organizations, The State And The 1995 NGO Forum On Women. Kimberley Manning, Political Science. Green College, 5:30pm. Call 822-6067.

### *Wednesday, June 25*

**Surgery Grand Rounds (Lecture)**
Management Of Thoracic Outlet Syndrome. Dr. Bill Nelems, Thoracic Surgery. GF Strong Auditorium, 7am. Call 875-4136.

**Seminar**
Therapeutic And Other Interventions. Dr. Gwen Laws, psychiatrist. Patricia Bond, lawyer. Buchanan B-321, 10am-noon. Call 822-6353.

### *Friday, June 27*

**Pediatrics Grand Rounds**
Curbside And Telephone Advice: Part Of Our Job Of Course ... A Medicolegal Perspective. Dr. Simon Dobson, Pediatrics; Andrew Wilkinson, partner, Harper Grey Easton. GF Strong Auditorium, 9am. Call 875-2307.

**Health Care and Epidemiology Rounds**
Outbreaks Of Cryptostoidiosis In B.C. During 1996: Implications For Our Drinking Water Supply. Arlene King and Dr. Murray Fife, British Columbia Centre for Disease Control. Mather 253, 9-10am. Call 822-2772.

**Medical Genetics Seminar**
Genomic Imprinting, Ubiquitin and Angelman Syndrome. Marc Lalande, Harvard Medical School. IRC#3, 11am. Call 822-5312.

### *Saturday, June 28*

**Workshop**
Internet Workshop For Building And Design Professionals - PC. Various speakers. David Lam Centre Microcomputer Lab, 9am-5pm. $230 (sharing one terminal), $270 (dedicated terminal). Includes lunch. Call 822-3347.

### *Monday, June 30*

**Vancouver School of Theology Summer School**
Theology For Non-Theologians. Sallie McFague, Vanderbilt Divinity School and VST. VST Iona Bldg., 8:30-10:30am. Continues to July 11. $280. Reduction for three or more courses and retired. Call 822-9815.

**Vancouver School of Theology Summer School**
The Roots Of Christian Mysticism. Lynn C. Baumann, U of Dallas. VST Iona Bldg., 8:30am-3:30pm. Continues to July 4. $225. Reduction for three or more courses and retired. Call 822-9815.

**Vancouver School of Theology Summer School**
Finding A Voice For Preaching. Mary Donovan Turner, Pacific School of Religion, UC-Berkeley. VST Iona Bldg., 8:30-10:30am. Continues to July 4. $225. Reduction for three or more courses and retired. Call 822-9815.

**Vancouver School of Theology Summer School**
The Changing Face Of Hebrew Bible Studies. Norman K. Gottwald, Pacific School of Religion, UC-Berkeley. VST Iona Bldg., 1:30-3:30pm. Continues to July 11. $280. Reduction for three or more courses and retired. Call 822-9815.

**Vancouver School of Theology Summer School**
Come And See! A Narrative Reading Of The Gospel Of John. Robin Scroggs, Union Theological Seminary, New York. VST Iona Bldg., 1:30-3:30pm. Continues to July 11. $280. Reduction for three or more courses and retired. Call 822-9815.

### *Monday, July 7*

**Vancouver School of Theology Summer School**
Reading In Each Other's Light: The Jewish-Christian Dialogue Today. Martin Cohen, rabbi, Beth Tikvah; Edwin Searcy, minister, University Hill. VST Iona Bldg., 8:30-10:30am. Continues to July 11. $225. Reduction for three or more courses and retired. Call 822-9815.

**Vancouver School of Theology Summer School**
Foundations In Christian Spirituality 1. Lynn C. Bauman, U of Dallas. VST Iona Bldg., 8:30am-3:30pm. Continues to July 11. $225. Reduction for three or more courses and retired. Call 822-9815.

**Continuing Studies Intensive Internet Workshop**
Third Annual Internet Publishing Workshop. Tom Berryhill, Thecla Schiphorst. David Lam Microcomputer Lab., 9am-4pm. Continues to July 11. $1195, includes breakfasts and lunches. Call 822-1420.

**Resident Speaker Series**
Making The Big Decision: Ethics And Risk Assessment Associated With Engineering Disasters. Andrew Dlugan, Engineering Physics. Green College, 5:30pm. Call 822-6067.

**Vancouver School of Theology Summer School**
Peoples, Clap Your Hands: 1997 Presbyterian Book Of Praise. Don Anderson, musician, editor, project manager; Andrew Donaldson, writer, composer. VST Iona Bldg., 7-9pm. Continues to July 11. $225. Reduction for three or more courses and retired. Call 822-9815.

### *Tuesday, July 8*

**Cultural and Media Studies Interdisciplinary Group**
Georg Simmel And The Sociology Of Culture. Gianfranco Poggi, European University Institute, Florence. Green College, 5:30pm. Call 822-6067.

**Cultural and Media Studies Interdisciplinary Group**
Crossing the Barrier: Using Native Speaker Knowledge In Language Research. Jan Van Eijk, U of Regina. Green College, 8pm. Call 822-6067.

### *Wednesday, July 9*

**Theatre Performance**
Departed. Joe O'Byrne, playwright. BC TEL Studio Theatre, Chan Centre for the Performing Arts, 7:30pm. Continues to July 19. $10 adult, $8 student/senior. Call 822-2678.

**Next calendar deadline:**
Monday, June 30

## Notices

**Morris and Helen Belkin Art Gallery Exhibition**
Laughter Ten Years After. Curated by JoAnne Isaak. Morris and Helen Belkin Art Gallery, Tues-Fri 10am-5pm, Sat-Sun noon-5pm. Continues to July 19. Adults $2, seniors $1, students free with valid ID. Call 822-2759.

**Summer Music Institute**
June 29 to July 4: Junior/Intermediate, Junior Concert Bands, Junior Strings, Junior Jazz Band (ages 7-12). Intermediate Orchestra, Intermediate Concert Bands (ages 13-15). 8:30am-9:30pm. June 30-July 4: Evening Adult Jazz Workshop. Fred Stride. 7-9:30pm. July 6-July 11: Senior/Adult. Symphony Orchestra, Concert Band, Mixed Choir, Vocal Jazz Ensembles, And Senior Jazz Band (grades 9-adults). 8:30am-10:30pm. Vanier Residence and Chan Centre for the Performing Arts. $300 ($495 includes room and board); Jazz workshop $195. Call 822-5739.

**Science Summer Camps**
For kids aged 6-14. Six sessions available. July 2- Aug. 8. Hennings 208, 9:30am-3:30 or 4:30pm. From $120 to $225 depending on session. Offered by the Outreach Program in the Dept. of Physics and Astronomy. Call 822-3853.

**Library Intersession Hours**
Summer Session - Term 1. May 1-July 6. Koerner Library, Monday-Thursday, 9am-11pm. Friday, 9am-5pm. Saturday, 10am-5pm. Main Library, Monday, Thursday, Friday, 9am-5pm. Tuesday, Wednesday, 9am-9pm. Saturday, 10am-5pm. All libraries closed July 1. Summer Session - Term 2. Koerner Library, July 7-August 15. Monday-Thursday, 8am-11pm. Friday, 8am-5pm. Saturday, 10am-5pm. Main Library, Monday-Thursday, 8am-9pm. Friday, 8am-5pm. Saturday, 10am-5pm.

**Garden Hours and Tours**
10am-6pm to October 13. Botanical Garden tours will be given by garden volunteers Wednesdays and Saturdays, 1pm. Call 822-9666. (gardens). 822-4529 (shop).

**Museum of Anthropology**
Maui: Turning Back the Sky, an exhibit of contemporary native Hawaiian art. Continues to June 30. Wednesday-Sunday, 11am-5pm; Tuesday, 11am-9pm (free admission, 5-9pm). Call 822-5087.

**Visual Art Exhibition**
The First Alumni Exhibition Of National Taiwan Academy Of Arts. Artists: Ching-Jung Chen, Yung-Cheng Chen, Tus-Ming Hsiao, Hai-Ping Lee, Kwang-Chi Li, Lucy Lu, Chien-Chung Neil Pan, Robin Shaw, Yen-Hsin Rose Wan. Asian Centre Auditorium, 10am-5pm daily. Continues to June 22. Call 266-4988.

**Roy Bonisteel Headlines Theology Summer Course**
Open to all members of the public Roy Bonisteel, former host of CBC television's "Man Alive", will teach a one week summer school course. Leaving A Legacy: Wisdom Of Our Seniors, focuses on collecting our elders' stories and capturing them in prose and poetry. July 14-18, 1:30-3:30pm, at the Vancouver School of Theology's Chalmers Institute. For information or to register call 822-9815.

**Faculty Development**
Would you like to talk with an experienced faculty member, one on one, about your teaching concerns? Call the Centre for Faculty Development and Instructional Services at 822-0828 and ask for the Teaching Support Group.

**Severe PMS?**
Sleep Disorders Program is recruiting volunteers for study; must be 18-35 yrs., with marked PMS; good health; no sleep problems; no shift workers; no medications (no Pill); non-smokers. Involves two overnight sleep studies in your home. Honorarium $100. Call Carolyn @ 822-7927.

**Parents with Babies**
Have you ever wondered how babies learn to talk? Help us find out! We are looking for parents with babies between one and 14 months of age to participate in language development studies. If you are interested in bringing your baby for a 45- minute visit, please call Dr. Janet Werker's Infant Studies Centre, Dept. of Psychology, 822-6408 (ask for Sharon).

**Feeling Stressed Out at Work**
Counselling Psychology Dept. at the University of British Columbia needs female clerical workers in the Vancouver area to participate in a study looking at work-related stress, over 2 months. If interested contact Marlene at 822-9199.

**UBC Food Services Summer Services**
To Aug. 29. Pacific Spirit Place, 7am-7pm (7 days per week). Trekkers Restaurant, 11am-2pm. The Express, 7:30am-4pm. The Barn and IRC are also open to serve you. Visit our website at www.foodserv.ubc.ca. Call 822-3663.

### 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: 822-3131. Fax: 822-2684. An electronic form is available on the *UBC Reports* Web page at http://www.ubc.ca under 'News.' Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the July 10 issue of *UBC Reports* — which covers the period July 13 to August 16 — is noon, June 30.

Please clip and save in your Policy Handbook

# THE UNIVERSITY OF BRITISH COLUMBIA

# Policy and Procedure Handbook

THE UNIVERSITY OF BRITISH COLUMBIA

*June 12, 1997*

Dear Colleagues:

I am pleased to advise that, at its May meeting, the Board of Governors approved the revision to Policy #20 (Advertising of Position Vacancies) and a new Policy on Sustainable Development. These policies are reproduced here so that you can clip and save them in your copy of the Policy Handbook.

I should also note that all updates since publication of the last print edition of the Policy Handbook are available at our new internet address:

http://www.policy.ubc.ca

Sincerely yours,

Libby Nason
Vice Provost

**Policy #20**

## Advertising of Position Vacancies

*In accordance with UBC's employment equity program, (see Policy #2), all advertisements shall include the statement: "UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply."*

All faculty and senior academic administrative openings shall be advertised in the A.U.C.C. publication "University Affairs" and the "C.A.U.T. Bulletin" prior to selection of a candidate for appointment except as provided for in paragraph 4.

Emergency appointments may be made without advertising, at the discretion of a Dean, in which case the details shall be reported to the Senior Appointments Committee before its next meeting, along with an explanation of the circumstances.

In cases of administrative appointments of heads of departments and directors of schools and institutes, when a well-documented case for an internal appointment has been made to the Provost, the vacancy need not necessarily be advertised outside the University. The decision as to the adequacy of the documentation presented will rest with the Provost.

# Sustainable Development Policy

***Responsible:*** All Vice Presidents

## Introduction

"Human demands upon the planet are now of a volume and kind that, unless changed substantially, threaten the future well-being of all living species. Universities are entrusted with the major responsibility to help societies shape their present and future development policies and actions into the sustainable and equitable forms necessary for an environmentally secure and civilized world." (The Halifax Declaration)

The severity of the problem has been recognized not only by universities, but also by industry. One conclusion from the Business Council for Sustainable Development, Report of the First Antwerp Eco-Efficiency Workshop, sponsored by the Commission of European Communities and the U.N. Environment Program, in November 1993, was:

"Industrialised world reductions in material throughput, energy use and environmental degradation of over 90% will be required by 2040 to meet the needs of a growing world population fairly within the planet's ecological means."

As part of its responsibility as an educational and research institution and as a signatory to both the Halifax Declaration and the Talloires Declaration by the University Presidents for a Sustainable Future, UBC provides leadership by demonstrating the means to a sustainable community on campus. UBC recognizes that just as the university contributes to a healthy society and economy through education to build up social capital, we also need to invest in maintaining the ecological services and resources, our natural capital, upon which society depends.

UBC seeks to become a centre for teaching and learning about the skills and actions needed to manage ourselves in a sustainable way. This in turn requires responsible fiscal management that enables the university to continue to pursue these goals.

## Purpose

- to develop an environmentally responsible campus community that is economically viable and reflects the values of campus community members;
- to ensure integration of ecological, economic and social considerations at all levels of strategic planning and operations within the University;
- to work towards a sustainable future in cooperation with organizations such as the GVRD and the City of Vancouver;
- to assume a leadership role through practising sustainable development and instilling sustainable development values in its graduates and employees, through research, teaching, and operations.

## Policy

The University of British Columbia, including its subsidiaries and ancillary operations, is committed to improving its performance in sustainability in all areas of operations. UBC will develop appropriate standards for managing sustainability at UBC. Specific targets, priorities and timetables for achieving these objectives are developed in a consultative process involving faculty, staff and students, as outlined in the procedures of this policy. In the process of meeting the UBC mandate for teaching and research, efforts focus on the following inter-related areas:

- UBC contributes to the protection of its environmental life support systems. This means minimizing the pollution of air, water and soil.
- UBC preserves and enhances the integrity of ecosystems at UBC through careful management, and the development and implementation of remediation measures for degraded sites as appropriate.
- UBC seeks ways to conserve resources and reduce waste. This means developing methods to minimize the energy and material intensity of university activities and reducing waste.
- UBC has information and reporting systems in support of decision making based on sustainable development principles including life cycle, social and environmental costing and accountability to stakeholders.
- UBC seeks to ensure its long term economic viability through responsible and effective management, the development of a comparative advantage in its educational and research activities, innovative methods to calculate and account for external costs, to identify cost-savings and new sources of revenue and through innovative partnerships with the larger community.
- UBC works to enhance its capacity to teach, research and practice sustainable development principles, and to increase ecological/social/economic literacy and practices among faculty, staff, students, and the public at large.

UBC implements this policy, mindful of the need to balance ecological, social and economic imperatives, in an open and transparent decision-making process with the involvement of all stakeholders.

## Procedures

### *Ombudsperson for Sustainable Development*

The Ombudsperson for Sustainable Development, reporting to the Associate Vice President Land and Building Services and working with all sectors in the University, is responsible for focusing efforts on the objectives of the policy, promoting the development of sustainability target and action plans of individual units, and coordinating the many sustainable development activities, on-going and emerging, on campus. The Ombudsperson liaises closely with the Environmental Programs Manager and the Greening the Campus coordinator and is the chief contact with the external community about issues and advances in sustainability at UBC, providing linkages for campus and regional efforts. The Ombudsperson coordinates reporting on all related University efforts, include recording and reporting on progress (and lack of progress) and plans for long-term development. The Ombudsperson provides training and guidance to the University community and serves as the central information source about sustainability issues.

### *Targets and Action Plans of all Units*

An action plan will be developed in all units for improving performance in key sustainability areas with clear indicators for targets, by all units, with the assistance of the Ombudsperson for Sustainable Development. Plans will include evaluation guidelines, effective measures of progress, reporting mechanisms and appropriate educational support. Changes to existing practices as well as new and innovative methods are considered during the development of the plan.

Once drafted, the targets and action plans will be reviewed by the Vice President responsible for the area for approval of actions, timing and funding. Administrative heads of unit are responsible for ensuring communication about the goals of the unit's plan and its implementation once approved. Administrative heads report on their progress annually to the Vice President responsible for the units and send a copy to the Ombudsperson for Sustainable Development Programs for publication of an annual report to the Board of Governors.

Target and action plans are reviewed by the unit every two years, taking into account new technologies and opportunities. The Ombudsperson establishes management systems sufficient and appropriate to UBC in order to develop plans and meet goals for sustainability approved by the Board of Governors.

### *Education about Sustainability*

A coordinating mechanism for enhancing educational efforts about sustainability is the Greening the Campus (GTC) program. The Ombudsperson for Sustainable Development works closely with the GTC Coordinator.

### *Advisory Committee on Sustaininable Development and Greening the Campus*

The Ombudsperson and the Greening the Campus program are advised by a committee composed of representatives (faculty, staff and students) of key areas across campus. The Advisory Committee on Sustainable Development and Greening the Campus is advisory to the Vice President Administration and Finance for operational matters and to the Vice President Academic & Provost for academic matters.

The committee's responsibilities are:

- to advise on the Greening the Campus program, in which students, staff and faculty engage in projects to enhance sustainability of UBC operations and to increase knowledge of and develop solutions to sustainability issues
- to foster the integration of knowledge and issues about sustainability into all relevant scholarly and research activities, the curriculum, and student activities of the University
- to enhance the capacity of academic units to teach and practice sustainable development principles
- to assist the Ombudsperson for Sustainable Development to communicate the goals of the sustainable development policy and develop support for them within both operational and academic units of the University
- to report on Greening the Campus activities annually to the Ombudsperson for Sustainable Development, so that the activities and accomplishments of the Greening the Campus program can be reflected in reports to the Board of Governors.

# THE UNIVERSITY OF BRITISH COLUMBIA

THE UNIVERSITY OF BRITISH COLUMBIA

*June 12, 1997*

Dear Colleagues:

Four draft policies appear here for your review and comments.

The Policy on Animal Care is designed to address risks associated with animal-human interactions that occur principally in our laboratories and animal care unit.

The purposes of the Policy on Advertising are to describe the criteria and authority for on-campus and off-campus advertising, and to foster advertising that promotes the objectives of the University.

The Policy on Serving and Consumption of Alcohol at University Events or on University Premises has as purposes:

- to promote the health and safety of students, faculty, staff and visitors to the campus
- to promote a greater understanding and awareness of the health and social effects of alcohol through appropriate educational programs
- to ensure appropriate training and education for those involved in the serving or provision of alcohol
- to establish procedures to be followed in planning and holding functions at which alcohol will be served
- to give members of the University community an understanding of the legal issues involved with the use of alcohol and ensure that providers and users of alcohol are aware of the potential legal issues involved.

The Policy on Hazardous Materials is to:

- set out University requirements for proper disposal of hazardous and special wastes
- reduce the amount of dangerous substances used in University activities
- raise awareness and increase knowledge of all members of the University community about problems of handling, storage, transportation and disposal of hazardous materials and waste
- establish good laboratory practices that teach and practice safe handling, storage, transportation and disposal of special wastes.

Please write or e-mail Vice Provost Libby Nason (nason @unixg.ubc.ca) about any suggestions you may have for improvement.

Sincerely yours,

David W. Strangway
President

# Initial Draft Policy
# Animal Care

**Responsible**
Vice President Research

**Introduction**

Activities involving the care and use of animals in research and teaching require specific procedures to minimize health risks not normally encountered in other activities. The magnitude of risk is dependent on (1) the nature of contact (direct or indirect) with animals, their tissues, excreta, body fluids, hair, animal cages, dander and (2) the species involved.

In recognition of its responsibility to provide a safe working environment, the University has adopted this policy for protection of faculty, staff, and students from health risks which may result from working with animals or working in animal care activities.

**Purpose**

- to reduce the risk to individuals from hazards associated with animal care and use,
- to ensure that individuals are thoroughly informed of the risks associated with their work,
- to provide preventive medical services and delivery of prompt and adequate medical care and advice,
- to rehabilitate employees whose health has been compromised due to occupational exposures,
- to ensure that individuals are physically able to perform their assigned tasks without undue risk to themselves or fellow workers,
- to protect animals from diseases they may contract from human beings.

**Policy**

Individuals involved in animal care and use are given protection from health risks through the following mechanisms: (1) education and training, (2) isolation and containment of high risk activities, (3) evaluation of health status prior to exposure, (4) periodic health assessment, (5) provision of emergency health care, (6) administration of immunization or other prophylaxis for protection from specific risks, (7) exclusion of unauthorized persons from animal facilities, (8) exclusion of persons with

## Initial Draft Policy
## Animal Care (cont.)

active infectious diseases that are hazardous to fellow workers or to animals, (9) use of appropriate apparel, equipment and facilities, (10) veterinary management of animal health, and (11) maintenance of records of illnesses, occupational diseases and injuries.

This policy requires confidentiality in the handling of medical information. Individuals required to undergo any medical examinations, treatment or monitoring are fully informed of the associated benefits and risks.

The services are provided by the University, and through payment by the unit at no cost to the individual. All activities related to this program are available during normal working hours.

This policy applies to employees, students and visitors.

**Procedures**

***Personal Hygiene***

Persons working with animals are required to maintain a high standard of personal cleanliness to reduce the risk of contracting diseases transmitted by animals. Facilities and supplies for meeting this obligation will be provided. Clothing suitable for use in an animal facility are worn by all persons coming into contact with animals. For animal care staff, the clothing required is separate from that worn outside the animal facility and will be supplied and laundered by the University. Clothing exposed to potentially hazardous microbial agents or toxic substances is decontaminated prior to leaving the premises for laundering. Disposable gear, such as gloves, masks, head covers, coats, coveralls, and shoe covers are used where appropriate. Hands are routinely washed after handling animals or cage accessories to reduce the risk of disease transmission.

Clothing is changed as often as is necessary to maintain personal hygiene. Outer garments worn in animal rooms are not worn outside the animal facility. Washing and showering facilities appropriate to the program are made available.

Provision of advice on specific procedures to be followed is the responsibility of the Director of the Animal Care Centre in conjunction with the unit head or principal investigator.

Eating, drinking, smoking, or application of cosmetics in animal rooms are not permitted.

***Education and Training***

Persons working with animals or in animal facilities are fully informed as to the nature of possible risks associated with proposed duties. It is the responsibility of each laboratory director to inform research personnel of the specific risks involved and the applicable safety procedures. The Director of the Animal Care Centre is responsible for providing instruction in safe methods of animal care and use.

Training in the principles of radiation and chemical safety is the responsibility of the Department of Health, Safety and Environment.

The Biohazards Committee is mandated to develop protocols for research activities involving biohazards.

The Director of the Animal Care Centre is responsible for verifying that those conducting research with animals are duly qualified, through such means as spot inspections and routine reporting from units.

***Medical Care Elements of Program***

This section is applicable to routine health surveillance activities involving animal care and use. Animal bites or other accidents involving animals are not covered in this section and should be considered for emergency treatment.

| SPECIES | DIRECT CONTACT | INDIRECT CONTACT |
|---|---|---|
| Non-Human Primates | 1, 2, 4, 5, 6 | 1 |
| Non-Domestic Mammals | 1, 2, 3, 5, 6 | 1 |
| Farm Mammals | 1, 2, 5, 6 | 1 |
| Rodents | 1, 2, 5* | 1 |
| Carnivores | 1, 2, 3, 5, 6 | 1 |
| Domestic Birds | 1, 2, 6 | 1 |
| Reptiles | 1, 2 | 1 |
| Amphibians | 1, 2 | 1 |

LEGENDS:

1= Pre-placement assessment: medical history questionnaire and (if clinically indicated), medical examination.

2= Tetanus immunization (if not already up to date). Booster every ten years.

3= Pre-placement rabies immunization. Follow-up antibody titer biannually. Immunization repeated as required.

4= Pre-placement and annual TB test. X-ray if positive.

5= Serum banking. To be used as a reference sample only for detection of diseases related to work with animals.

5*= Same as 5. Refers only to rodents from non-commercial sources, or rodents used for transplantable tumours.

6= Biannual medical evaluations. Review of health status (questionnaire). Examination/tests performed according to symptoms/ history/ exposure.

The Director of the Animal Care Centre may prohibit individuals from access to animals where, in the sole discretion of the Director, individuals do not meet the requirements of the table above. In addition, in the sole discretion of the Director of the Animal Care Centre, an individual may be prohibited from working with certain animal species if a health-related change in the individual arises, making such contact risky to the individual or the animal, in the opinion of the Director.

**Definitions**

*Direct contact* refers to those handling live animals, unpreserved tissues or body fluids, animal cages, cage accessories, animal waste or carcasses.

*Indirect contact* refers to those who work in areas where animals are used or housed. These people are potentially exposed by means of accidental contact or aerosols.

THE UNIVERSITY OF BRITISH COLUMBIA

## Initial Draft Policy
## Animal Care (cont.)

**THE UNIVERSITY OF BRITISH COLUMBIA**

**OCCUPATIONAL HEALTH PROGRAM FOR ANIMAL CARE ACTIVITIES**

Name: _____ Payroll/student no. _____

Department: _____ Faculty: _____

Title: _____ Classification: _____

Internal address: _____ Telephone: _____

_____

Name of principal investigator or supervisor: _____

Type of animal species: _____

_____

_____

Type of contact

[ ] direct: handle live animals, unpreserved tissues or body fluids, animal cages or accessories, animal waste or carcasses.

[ ] indirect: work in areas where animals are used or housed.

This is to certify that I am aware of the Occupational Health program made available by the University of British Columbia for employees and graduate students engaged in animal care or experimentation with animals. As a condition of employment or studies/research involving animal care, I will participate in the training and immunization program as established by the Director of the Animal Care Centre for the position I hold or studies/research I am performing.

Failure to do so could result in the Director of Animal Care prohibiting my engaging in activities involving animals and could affect my status as an employee, student or visitor.

_____ _____

Signature Date

Please return completed form to the Director of the Animal Care Centre.

# Initial Draft Policy
# Advertising

### Responsible

Vice President External Affairs

### Purpose

On-campus and off-campus advertising are potentially powerful communication tools that can be used to promote the many and diverse objectives, services, events and products of the University. Inappropriate use of advertising could result in offending communities UBC serves, whether by advertisement content, style, medium or amount or could violate agreements in place with corporate sponsors, contracted vendors and strategic partners. This policy is intended to:

- describe the criteria and authority for on-campus advertising
- foster off-campus advertising that promotes the objectives of the University
- describe the authority and criteria for approval of advertising

See also Policy #120 Posting of Notices, Posters and Signs.

### Policy

Authority for on-campus advertising by non-UBC entities must be obtained in writing from the Vice President or Dean responsible for the area where the advertising will occur. If this advertising is University-wide, written permission from the President is needed. This does not include posters/ brochures/signage destined for University notice boards designated for general use or or for outdoor kiosks provided for that purpose.

Decisions by the President, Vice Presidents and Deans about permission to for non-UBC entities to advertise are based on the following criteria:

- dollar value
- impact on the campus
- duration of the advertising
- location
- consistency with UBC's image and scholarly mission
- messages not misleading
- style

The authority for on-campus advertising by UBC units is the Administrative Head of Unit.

All off-campus advertising about UBC (including, but not limited to TV, radio, newspaper, Website, journal, magazine, stationary, business cards) must have the written authorization of the Administrative Head of the unit generating the advertising.

### Procedures

***Reflecting UBC values***

Advertising should reflect the values of scholarship and service for which UBC stands, and be appropriate to the specific progam, service, event or product that is being advertised. In achieving a balance between units' needs to raise money and publicize services through advertising and a desire to retain the esthetic integrity and scholarly ambience of the Point Grey campus and other UBC sites, those granting permission should take into consideration many factors, including: advertising location, size, duration, dollar value, consistency with UBC's image and scholarly mission, messages not misleading, precedence, style and overall impact.

## Initial Draft Policy
## Advertising (cont.)

***Exclusive, Contracted and Preferred Vendors***

UBC has exclusive contracts with certain vendors. To keep the campus informed about exclusive arrangements, the Business Relations arm of External Affairs periodically circulates to all units a list of exclusive agreements in force.

UBC also confers "contracted vendor" and "preferred vendor" status on some of its suppliers. In negotiating these vendor agreements, UBC's goal is to give first right of refusal for advertising to contracted or preferred vendors.

Because it is vital that agreements for exclusive, contracted or preferred vendors be respected, those authorizing advertising are to confirm the eligibility of the proposed advertiser with the Director of Purchasing (822-3157) and the Manager of Marketing (822-8908) before entering into any agreement. Purchasing can advise departments how to contact contracted or preferred vendors for advertising.

***Authority to Sign agreements***

Any advertising agreement for money or "in-kind" consideration is to be finalized in accordance with Signing Resolutions #7 and #9.

***Joint advertising with co-sponsors***

Because joint advertising can be interpreted as UBC's endorsement of a product or service, permission for the joint display of UBC's logo or trademark with those of external entities must be received from the Dean or Vice President (or designate) responsible for the area/activity. Collaborative programs with other educational institutions, Open House, the UBC Calendar, and the Chan Centre are examples of events and venues that have in the past received permission to seek sponsors to promote UBC events and activities.

***Conflict of Interest***

Units selling advertising may not promise to support vendors who purchase advertisements by purchasing goods or services from vendors in return. Purchasing decisions are made in accordance with Policy # 122, Purchasing.

***Use of advertising brokers***

Units may turn to advertising brokers to assist in selling advertising for university publications provided they supervise the work done for:

- respecting any exclusive, contracted or preferred vendor agreements in place
- setting guidelines as to the appropriateness of certain advertising and certain sponsors
- establishing guidelines for the interaction of the broker which is acting on UBC's behalf and potential advertisers
- finalizing advertising contracts only after all advertisements have been vetted by the UBC Administrative Head of Unit or designate.

***Pre-approval of all advertisements before publication/airing***

At issue is UBC's reputation, and under all circumstances, ads should be reviewed before publication, in whatever medium, by the administrative head of unit or designate.

***Pre-approval for use of personal information***

When UBC advertisements are designed to contain the name, photograph (where the individual is identifiable), or direct quotations of a person, it is adviseable to have the person sign a consent form. An example of a consent form that can be used is attached to this policy.

### Definitions

*An Administrative Head of Unit* is 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 Vice Provost, the Registrar, the University Librarian, a Vice President or the President.

***Sample consent form***

***The University of British Columbia***

***Consent Form***

For good and valuable consideration, the amount and sufficiency which is hereby acknowledged, I consent and authorize the University of British Columbia and its employees and agents

- to take still pictures, motion pictures, sound recordings, and/or video recordings of me (collectively, the "materials")
- to use and adapt such materials in its educational programs and/or in promoting UBC programs or activities at any time or place and in any medium in the future.

I agree to indemnify, hold harmless and release UBC, its Board of Governors, employees and agents from any and all claims arising from such material.

All such still pictures, motion pictures, sound records and/or video recordings become the property of UBC. I agree to assign my copyright, including performers rights, in the materials to UBC. I agree to waive all moral rights I may have in the material in favour of UBC in perpetuity.

Signed at: _____ this ___ day of _____, 199__.

_____ Witness

Signature: _____ _____

Name (print): _____ _____

Address: _____ _____

_____ _____

_____ _____

THE UNIVERSITY OF BRITISH COLUMBIA

# Initial Draft Policy
# Serving and Consumption of Alcohol at University Events or on University Premises

**Responsible**

All Vice Presidents

**Preamble**

The University of British Columbia, as an educational institution, has obligations to students, staff and faculty. While permitting reasonable use of alcohol in certain circumstances, the University discourages misuse and encourages responsibility on the part of those who choose to drink. Nothing in this policy or its procedures is to be taken as imposing on the University any liability at law for violation of this policy by students, staff or others.

**Purpose**

- to promote the health and safety of students, faculty, staff and visitors to the campus
- to promote a greater understanding and awareness of the health and social effects of alcohol through appropriate educational programs
- to ensure appropriate training and education for those involved in the serving or provision of alcohol
- to establish procedures to be followed in planning and holding functions at which alcohol will be served
- to give members of the University community an understanding of the legal issues involved with the use of alcohol and ensure that providers and users of alcohol are aware of the potential legal issues involved.

**Policy**

The University of British Columbia is committed to promoting the health and well-being of students, faculty and staff. All of its members, visitor and guests have an obligation to make responsible decisions concerning the use of alcohol. Wherever alcohol is involved in connection with the University, its use must be responsible, with due regard to the safety of all concerned, laws and regulations, and maintenance of healthy lifestyles.

Alcohol misuse can lead to serious and complex health and social problems. Accordingly, the University promotes education and awareness about alcohol use.

The University does not permit any social function which has as a purpose or focus the overconsumption of alcohol. Alternative activities, events and social functions which do not involve alcohol are encouraged to promote the health and well-being of all members of the community.

The sale and use of alcohol on University premises and at University activities/functions must meet all legal requirements (especially the Liquor Control Act), all requirements of this policy, and requirements established by an administrative head of unit at UBC. Whenever alcohol is being served, the individual/group responsible must have a special occasions permit; unlicensed events on University premises are illegal and participants and organizers of unlicensed events are not covered by the University's personal liability insurance. Those who may recommend authorization of private special occasion permitted events on University premises, by signing the application, are: the President, a Vice President, or a Dean. Only the President may recommend authorization of a public special occasions permit by signing the application. The RCMP has final authority to grant permits for both private and public functions on campus.

This policy is applicable to all members of the University community, including students, faculty, staff, tenants, visitors and guests. Violations of this policy may lead to legal or disciplinary action, including but not limited to the withdrawal of University privileges.

**Procedures**

***Events on campus in areas that are not licensed***

**The responsibilities of those authorizing events:**

- For private special occasion permits, event organizers must represent a bona fide organization (group, club, society) who have organized and meet regularly or occasionally for a common purpose
- For public special occasion permits, the event must be a community or public celebration, open to the general public, at which beer and wine only may be sold. Each community is permitted a maximum of six such permits in a year. The President is the authorizing approval for such applications.
- Review the event organizer's checklist (see below) for reasonableness before signing
- Sign as the UBC authorizing official the permission slip to the RCMP for a special occasion permit (see definition section), designating your approval of the function
- Build community around UBC events on campus by ensuring that organizers are inclusive and supportive of those members who cannot or choose not to drink alcohol (e.g. non-drinkers, pregnant women, under-age individuals, individuals who are driving).

**Responsibilities of those organizing functions where alcohol will be served:**

- Organizers must have the "Serving it Right" licensee certificate.
- It is recommended that all functions be staffed by servers who have received training to prevent intoxication
- If a function has over 50 participants OR if the server is being paid (regardless of number of participants) the server is REQUIRED, at a minimum, to have successfully completed the "Serving it Right" course.
- UBC does not normally authorize applications for special occasion permits for functions held on Sunday.
- The special occasions licence must be posted at the entrance to the function.
- Gambling is not permitted.
- In promotion of the event, no indication may be made that alcohol may be obtained at the event, and no referral may be made to the type of alcohol function (eg. Beer Garden, Wine and Cheese, etc.).
- Alcohol may not be an inducement to attend.
- The function should be scheduled within legal serving times, and appropriate to purpose of the function.
- The length of serving time should be appropriate to the occasion.
- Sound controls should be in place so that others nearby are not disturbed by music or rowdiness.
- The number of people expected to attend cannot exceed the room/facility capacity.
- If held outdoors, the event cannot extend beyond 10:00 p.m. The area in which alcohol is to be served must be well illuminated as well as enclosed and the entrances and exit adequately controlled by responsible, sober adults.
- If a request is to hold an event in an area for which there is not an established capacity, then the fire department must be called to set guidelines for capacity, entrances and exits, adequate extinguishers, etc.
- Calculation of amount of alcohol to be purchased should not exceed one standard drink per person per hour of function (see definition section).
- Alcohol at the function is dispensed only from a bar under the organizer's control and supervision.
- Procedures for ensuring that underage individuals are not served alcohol must be in place. (If underage individuals are not allowed to attend, ID should be checked at the door; if underage individuals are permitted to attend, ID should be checked prior to entering a cordonned-off area where alcohol may be consumed OR the server must check ID each time a drink is served and no more than one drink per person is served at a time.)
- The organizer establishes limits on number of drinks served to individuals to prevent intoxication.
- The organizer attends the function at all times to oversee and monitor it.
- Substantial, sufficient food (not just snacks) must be available throughout the event.
- Non-alcoholic beverages must be available, readily accessible and reasonably-priced (or free).
- The organizer, servers and security staff do not consume alcohol during the event.
- Arrangements must be made for security/safety monitoring (procedures for dealing with inebriated individuals, those intending to drive, threats to physical safety and sexual assault).
- During the event, over-consumption must not be encouraged.
- Cut-off of service of alcohol should be at least 45 minutes before function finishes.
- For **private** special occasion functions, alcohol may be sold provided that the price is not in excess of the actual purchase price of the alcohol combined with the direct cost of dispensing it (mix, ice, hire of a professional bartender). No other expenses will be considered. See the Policy Booklet on Special Occasion Licences published by the Ministry of the Attorney General for maximum prices. When the function is conducted with the purpose/intention of gain or profit, the special occasion permit becomes void. However, profits may be used for charitable purposes (not the well-being of the organization itself). Refer to Section 6(2) of the Liquor Control Act.
- For **public** special occasion functions, proceeds of the function should be for charitable or public purposes. Over and above expenses, any profit realized should not accrue to the organization itself. Social services tax, which is included in the price of drinks, must be calculated and remitted to the Taxation Branch. For the maximum prices that may be charged, see the Policy Booklet on Special Occasion Licences published by the Ministry of the Attorney General.

**Responsibilites of those serving alcohol:**

- Servers may not serve alcohol to impaired or underage individuals
- It is recommended that all functions be staffed by servers who have received training to prevent intoxication
- If a function has over 50 participants OR if the server is being paid (regardless of number of participants) the server is REQUIRED, at a minimum, to have successfully completed the "Serving it Right" course.

***Food and beverage outlets licenses to serve alcohol***

There are several University-run food and beverage outlets that are licensed to serve alcohol. These outlets conform to the terms of their licences and Liquor Control Act requirements.

# THE UNIVERSITY OF BRITISH COLUMBIA

## Draft Policy on the Serving and Consumption of Alcohol at University Events or on University Premises (cont.)

***Students living in residence***

Students living in residence are covered by a Student Residence contract, and while at their lodgings in residence, are covered by the terms of that contract.

***University events in public restaurants***

From time to time, University events are held in public restaurants, which are licensed to serve alcohol. Restaurant employees serving alcohol and the restaurant itself assume responsibility/liability for the event. However, in accordance with a recent court ruling, UBC could be held vicariously liable for injury or death caused by overconsumption in a public venue; for this reason, it is the responsibility of the UBC host of the function to ensure that participants do not overconsume alcohol.

***University events in private homes***

On occasions when University events are held in private homes, the host of the event has responsibility on behalf of UBC to ensure the safety of all participants and that alcohol is not served to impaired or underage individuals. Hosts of UBC events held in private homes are encouraged to refer to the checklist above.

***Educational activities and training programs***

- Information on the "Serving it Right" program, a co-initiative of government and the hospitality industry, is available by calling 1-800-665-8883.
- Copies of the Ministry of the Attorney General's Policy Booklet on Special Occasion Licences, and information on special occasion permits and on planning functions at UBC is available through:

  Health Education Outreach in the Student Resource Centre (call 822-4858), or Health Promotion Program, Human Resources (call 822-3162)

### Definitions

*Private function* means a special event or occasion which is held by a bona fide organization (group, club or society). It includes family or personal celebrations such as weddings or gatherings hosted by a family or individual. The event may be social in nature, cultural, recreational, religious, sporting or community oriented. Attendance at a private function is limited to the organization members, expressly invited guest, or persons to whom advance tickets have been sold. The UBC authority for approval for requests for special occasion permits for such events is the President, a Vice President or a Dean.

*Public function* means a recognized community or public celebration/event. By law, six such events are permitted at UBC per annum. The premises or area licensed for the sale of liquor is open to the general public and any member of the public may be served or sold liquor. A cover or door charge is permissable. The UBC authority for approval for requests for special occasion permits for such events is the President.

*Special occasion* means a special event or occasion, and does not include events held on a regular basis *(...Ministry of the Attorney General Policy Booklet on Special Occasion Licences)*

*Standard drink* means 5 ounces of wine (12% alcohol), 1.5 ounces of spirits or liquor (40% alcohol), or 12 ounces of regular strength beer (5% alcohol).

**REQUEST FOR PRIVATE SPECIAL OCCASION PERMIT**

1.

Function: _____ Date of Function: _____

Organization: _____ Attendance Expected: _____

Building/Room: _____ Hours of Alcohol Service: _____

Room Capacity: _____

Signature of Registrar's Office official attesting to room capacity: _____

2.

Organizer Name: _____ Position in Organization: _____

Organization Name: _____ Postal Code: _____

Address: _____

Telephone Home: _____ Business: _____

I have addressed all items on the Organizer's Checklist contained in the Policy on Serving and Consumption of Alcohol at University Events and on University Premises. The completed checklist is attached. I accept personal responsibility for ensuring that the liquor laws of the Province of British Columbia, regulations of the University and items in the Organizer's Checklist are complied with during the function.

Organizer's Signature: _____ Date: _____

3.

Authority for Approval Name: _____ Position at UBC: _____

I have reviewed with the Organizer all aspects of the function proposed, including the Policy on Serving and Consumption of Alxohol at University Events and on University Premises, and the Organizer's Checklist. I am satisfied that the function will not contravene the liquor laws of the Province of British Columbia, the University Policy or any other UBC regulation, and that the function is consistent with the purposes of the University.

Approval Signature: _____ Date: _____

Organizer of function conpletes Sections 1 and 2 with signature of Booking Clerk (phone 822-4175) in the Registrar's Office attesting to the capacity of the room, and then obtains approval of the President, a Vice President or a Dean under Section 3.

The form is then taken by the organizer to the RCMP, 2990 Wesbrook Mall, for approval, at least one week in advance of the function date. The RCMP instructs organizers how to obtain a Special Occasion Permit from the Liquor Administration Branch.

4.

RCMP Approval: _____ Date: _____

***Checklist for those organizing functions where alcohol will be served***

- Organizers must have the "Serving it Right" licensee certificate.
- Servers must have "Serving it Right" server certificates if event is for more than 50 people or if the server is being paid.
- UBC does not normally authorize applications for special occasion permits for functions held on Sunday.
- The special occasions licence must be posted at the entrance to the function
- Gambling is not permitted.
- In promotion of the event, no indication may be made that alcohol may be obtained at the event, and no referral may be made to the type of alcohol function (eg. Beer Garden, Wine and Cheese, etc.)
- Alcohol may not be an inducement to attend
- The function should be scheduled within legal serving times, and appropriate to purpose of the function
- The length of serving time should be appropriate to the occasion
- Sound controls should be in place so that others nearby are not disturbed by music, rowdiness
- The number of people expected to attend cannot exceed the room/facility capacity
- If held outdoors, the area in which alcohol is to be served must be well illuminated as well as enclosed and the entrances and exit adequately controlled by responsible, sober adults
- Calculation of amount of alcohol to be purchased should not exceed one standard drink per person per hour of function (see definition section)
- Alcohol at the function is dispensed only from a bar under the organizer's control and supervision.
- Procedures for ensuring that underage individuals are not served alcohol must be in place (If underage individuals are not allowed to attend, ID should be checked at the door; if underage individuals are permitted to attend, ID should be checked prior to entering a cordonned-off area where alcohol may be consumed OR the server must check ID each time a drink is served and no more than one drink per person is served at a time.)
- The organizer establishes limits on number of drinks served to individuals to prevent intoxication
- The organizer attends the function at all times to oversee and monitor it
- Substantial, sufficient food (not just snacks) must be available throughout the event
- Non-alcoholic beverages must be available, readily accessible and reasonably-priced (or free)
- The organizer, servers and security staff do not consume alcohol during the event
- Arrangements muxt be made for security/safety monitoring (procedures for dealing with inebriated individuals, those intending to drive, threats to physical safety and sexual assault)
- During the event, over-consumption must not be encouraged
- Cut-off of service of alcohol should be at least 45 minutes before function finishes.
- For **private** special occasion functions, alcohol may be sold provided that the price is not in excess of the actual purchase price of the alcohol combined with the direct cost of dispensing it (mix, ice, hire of a professional bartender). No other expenses will be considered. See the Policy Booklet on Special Occasion Licences published by the Ministry of the Attorney General for maximum prices. When the function is conducted with the purpose/intention of gain or profit, the special occasion permit becomes void. However, profits may be used for charitable purposes (not the well-being of the organization itself). Refer to Section 6(2) of the Liquor Control Act.
- For **public** special occasion functions, proceeds of the function should be for charitable or public purposes. Over and above expenses, any profit realized should not accrue to the organization itself. Social services tax, which is included in the price of drinks, must be calculated and remitted to the Taxation Branch. For the maximum prices that may be charged, see the Policy Booklet on Special Occasion Licences published by the Ministry of the Attorney General.

THE UNIVERSITY OF BRITISH COLUMBIA

# Initial Draft Policy
# Hazardous Materials

**Responsible:** Vice President Academic & Provost
Vice President Administration & Finance
Vice President Research

## Purpose

As a large teaching and research institution, UBC faces problems that are unique and varied about the acquisition, handling, storage, transportation and disposal of chemical and biological/human/animal materials and wastes resulting from its teaching, research and operations. This policy has several purposes:

- to set out University requirements for proper disposal of hazardous and special wastes
- to reduce the amount of dangerous substances used in University activities
- to raise awareness and increase knowledge of all members of the University community about problems of handling, storage, transportation and disposal of hazardous materials and waste
- to establish good laboratory practices that teach and practice safe handling, storage, transportation and disposal of special wastes.

## Policy

All chemical and biological materials are considered hazardous unless specifically excluded from Schedule 7 of the Transportation of Dangerous Goods Act. Materials classified as special wastes must be disposed in a safe manner in compliance with the Special Waste Regulations of the Waste Management Act, and through the UBC Environment Services Facility. As all of UBC is considered one site, the rules for handling hazardous materials apply to small quantities as they do to large quantities; there is no allowance made for small quantities in individual units at UBC.

Each member of the University community who uses or has responsibility for hazardous materials must handle, store, transport and dispose of this material in a manner that harms neither the environment nor living beings, and that meets or exceeds legal requirements.

Procedures are established for standard methods of handling chemicals, and biological/human/animal materials in all UBC activities. It is the responsibility of Administrative Heads of Unit, Principal Investigators and Supervisors to ensure that appropriate training is given and documented to all students and staff who come into contact with these materials.

Each member who comes into contact with or uses hazardous materials in their work or study must first become familiar with the hazards associated with the material and the appropriate methods for handling, storage, transportation and disposal.

Individual members are expected to conduct themselves and supervise others with the greatest of care, and, if established procedures for the circumstances do not exist, are responsible for seeking guidance from the appropriate source before ordering, handling, storing, tranporting or disposing of materials that could be hazardous to the environment or to living beings. In accordance with Section 122 of the Canadian Environmental Protection Act:

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

Consideration should be given to substituting less harmful materials for those which are known to be hazardous at the time of acquisition. Hazardous materials should be purchased in quantities small enough that they do not have to be stored at UBC over long periods. The cost of disposal of hazardous materials is added up front by the Purchasing Department as an environmental levy on the purchase price paid by the department or grant at the time of acquisition of all consumable chemicals and biological/human/animal materials.

In physical planning for the future research, teaching and operational needs of the University, design elements to address special waste flows should be included to address handling, storage, transportation, emissions and disposal.

## Procedures

The number and variety of possibly hazardous materials at UBC are large. Some are created as the result of experimentation. For this reason, the procedures under this policy are meant to provide guidance via illustration and example to individuals at UBC about such areas as chemical, biological, human, and animal materials. For radioisotopes, please see Policy #11. For pesticides, please see Policy #12. Individuals unsure about whether a substance (such as paint, oil, pharmaceutical, battery) is hazardous, or about the appropriate steps to take, should contact the UBC expert listed in the procedures below.

Local Safety Committees, in performing regular inspections of teaching and research laboratories, take into account the requirements of this policy.

***Laws and regulations governing chemical, human, animal, and biological materials acquisition, handling, storage and disposal***

Laws and regulations governing biological materials acquisition, handling, storage, transportation and disposal include, but are not limited to:

- Canadian Environmental Protection Act
- Transportation of Dangerous Goods Act
- Provincial Waste Management Act including the Special Waste Regulations and Spill Reporting Regulation
- Greater Vancouver Regional District Bylaws, in particular Sewer Use Bylaw #164 and Air Quality management Bylaw #725
- Workers Compensation Board Industrial Health and Safety Regulations
- Workplace Hazardous Material Information System
- Laboratory Biosafety Guidelines for Health Canada
- Health Canada, Narcotics/Controlled Products Act for pharmaceuticals
- Containment Standards for Veterinary Facilities

***Chemical Materials***

Each department or unit using chemical materials must develop or adopt procedures that include:

- acquiring minimum quantities only
- safe and secure storage
- removing out-of-date materials from inventory
- appropriate labelling and an annual inventory of materials
- training of faculty, staff and students
- proper use of personal protective equipment, emergency, spill and decontamination procedures
- compliance with University (or host hospital) procedures for disposal

Assistance and advice concerning these matters can be obtained from various sources, including:

- local Safety Committees
- the University Chemical Safety Officer (phone 822-5909)
- the University Chemical Safety Committee (phone 822-5909)
- UBC Environmental Services Facility (phone 822-1281)

***Human, Animal and Biological Materials***

The Biosafety Officer develops procedures for handling materials that are used in more than one laboratory. Written procedures are issued to all labs. For materials unique to a particular laboratory, the principal investigator using human, animal, or biological materials must develop written procedures, to be vetted by the Biosafety Officer, that deal with regulated medical waste. Regulated medical waste includes, but is not limited to, the following categories:

- Cultures and stocks of infectious agents, and any materials contaminated with a potentially infectious agent, including culture dishes and devices used to transfer, innoculate and mix cultures.
- Any human pathological wastes, including waste human blood or blood products generated in medical or research procedures, and other potentially infectious materials, items contaminated with these materials, and any containers that held these potentially infectious materials.
- Any animal specimens, carcasses or tissues.
- Any biological material contaminated with an infectious agent.
- DNA.
- Vaccines, pharmaceuticals.
- Wastes from medical or research procedures that were in contact with infectious agents, including slides and cover slips, disposable gloves, and protective equipment.
- Sharps: used or new hypodermic needles and syringes (with or without needle attached), scalpels and razor blades. Also, Pasteur pipettes and broken glassware, when contaminated with an infectious agent. Use red or yellow sharps containers for disposal of all sharps. Use broken glassware disposal container for all other broken or sharp items that could injure those handling the trash.
- Mixed waste: Biological specimens or material treated with or preserved in chemicals including alcohol or formaldehyde are considered mixed waste (regulated medical waste and hazardous chemical waste). Liquids must be poured off and disposed of properly.
- Other regulated medical waste solids must be placed in secure, leak-proof packaging and stored in such a manner that will prevent decomposition or deterioration during storage. It is the responsibility of each generator to set up a workable system prior to generating regulated medical wastes. Principal investigators, area supervisors or other employees generating regulated medical waste materials are responsible for compliance with applicable regulations and disposal program requirements. Consult the Biosafety Officer for more information.
- Bedding for animals.

Each department or unit using human, animal or biological materials should develop procedures that include:

- acquiring minimum quantities only
- safe and secure storage
- appropriate labelling and an annual inventory of materials
- training of faculty, staff and student
- proper use of personal protective equipment, emergency, spill and decontamination procedures
- compliance with University (or host hospital) procedures for disposal

Assistance and advice concerning these matters can be obtained from various sources, including:

- local Safety Committees
- the University Biosafety Officer (phone 822-7596)
- the Director of the Animal Care Centre (822-6283)
- the University Biosafety Committee

## Definitions

*Member of the University community* means a faculty member, a student, or a member of staff.

*Hazardous material* means any prohibited product, restricted product, controlled product or special waste.

*Regulated medical waste* means a waste stream that includes infectious and non-infectious waste materials generated in the diagnosis, treatment, or immunization of human beings or animals; in research pertaining thereto; or in the production of biologicals.

*Special waste* means any product, substance or organism that is dangerous to the environment or to human beings, and that is no longer used for its original purpose, at the time of disposal or in storage/transportation prior to treatment or disposal.

# Student designers take solar car on road trip

Dozens of B.C. high school students and the general public will get a close look at a solar car this summer as UBC's Solar Car Project hits the road with an educational exhibition.

The project team first exhibited the car and its three major components — shell, frame and solar panel — June 12 at UBC, with the goal of stimulating interest among high school students in science and engineering. Project members reviewed the work that went into creating each component and shed light on the science and teamwork involved.

Trips aimed at giving the public a glimpse of the solar technology are also planned for Powell River, Hope and Victoria.

Project founders Matthew van Wollen and Andrew Booth, who are both entering their fifth year of Engineering Physics, said the car represents a remarkable effort involving more than 20 UBC science and engineering undergraduate students.

"We had students from just about every engineering discipline at UBC working on this project," van Wollen said.

The team has raised $70,000 towards the project since September 1996, with major sponsor Westcoast Energy donating $20,000, and UBC's President's Office contributing another $10,000. The car is an early prototype of what will eventually evolve into a race car for competition in the 1999 Sun Race in the U.S.

Individuals are invited to "adopt a cell" with a $10 donation. If all the solar cells are adopted, 732 donors will have their names displayed on the solar panel.

For more information or to contribute to the project, please call (604) 822-0925.

Stephen Forgacs photo

## Green Party

**UBC Environmental Programs Manager Mark Aston made a surprise visit to medical laboratory technologist Adrienne Vair on her last day of work at UBC to present an Environmental Merit Award. UBC's Dept. of Health, Safety and Environment presents the award annually in recognition of UBC employees who have made consistent efforts to promote and support UBC's environmental programs. Vair, who worked in the histopathology laboratory at Vancouver Hospital and Health Sciences Centre's UBC site, had participated in the Solvent Recovery Program since 1994.**

CANADA'S YEAR OF ASIA PACIFIC 1997 L'ANNÉE CANADIENNE DE L'ASIE-PACIFIQUE

## Canada's Year of Asia Pacific

APEC Canada 1997

# Faculty help build foundation for talks

When transport ministers from the 18 APEC economies meet this month in Victoria, one of the key documents placed in front of them will be a paper by UBC Prof. Tae Oum and Assoc. Prof. Bill Waters.

Their paper will provide essential background for the ministers' deliberations on transport issues affecting the APEC economies. It will also highlight key issues including port and airport infrastructure requirements, transport financing, environmental concerns and privatization.

Oum and Waters, both of the Faculty of Commerce and Business Administration, are two of many UBC academics directly or indirectly involved in substantive preparations for the Asia Pacific Economic Co-operation leaders' meeting, Nov. 25 at UBC.

The academic involvement, along with the fact that one day of the leaders' meeting will be held in the Museum of Anthropology, helps to highlight UBC's position as a premier institution in Asia Pacific affairs in North America.

Other examples of APEC-related academic activity are:

• Former B.C. premier Michael Harcourt, a research associate at the Sustainable Development Research Institute, is helping prepare documentation for the environment ministers' meeting on sustainable urban development. Prof. Emeritus Peter Oberlander is also preparing background materials for APEC environment ministers, who meet in Toronto this month.

• Several UBC experts are involved in research or consulting with APEC governments on energy issues. These include faculty at the Centre for Asian Legal Studies, who had been involved in drafting petroleum legislation in Southeast Asia and have done extensive research on commercial law related to energy in China. APEC energy ministers are also meeting in Edmonton in August to develop a co-ordinated approach to energy issues and trade arrangements.

• Institute of Asian Research (IAR) director Terry McGee and honorary research associate John Price have developed a Web site called APEC Research and Information Network (www.iar.ubc.ca/apec/links.html) to provide a database and clearing-house for information of interest to non-governmental organizations. The non-governmental organizations are planning a major parallel conference to coincide with the leaders' meeting to discuss issues ranging from the environment and women's issues to child labour.

• Brian Job, director of the Institute of International Relations, is hosting a major conference in Victoria this September on Asia Pacific regional security. Although not on the official APEC agenda, security is an important issue for all member economies. Job, McGee and others will attend the ASEAN Asia Pacific Roundtable organized by the Institute of Strategic and International Studies, Malaysia. This gathering will also have relevance to the APEC agenda.

• Several UBC faculty members will present papers in September at a symposium held by the federal government. This meeting will look at the impact of APEC on food, energy, environment, economy and population issues. UBC faculty members are also taking part in a conference on freedom of the press in Hong Kong slated for Simon Fraser University in the coming months.

• Faculty and students from the IAR, Commerce and Law are involved in the Fourth World Chinese Entrepreneurs Convention, a major conference with 1,500 delegates to be held in Vancouver in August that is also related to APEC. Last April, UBC hosted a related workshop called Bamboo Networks and Economic Growth in the Asia Pacific Region.

Other UBC researchers are examining topics ranging from air quality in APEC cities to the economic role of small and medium-sized enterprises in the Asia Pacific.

The UBC APEC Web page, which contains basic information on APEC, UBC's involvement, and links to many other APEC Web sites, can be found at www.ubc.ca under "News, Events and Attractions."

# Lowry collection a magnet for scholars

Ask Prof. Emeritus Basil Stuart-Stubbs when UBC acquired the first component of its renowned Malcolm Lowry archive, and he'll resolutely tell you that it was on March 1, 1961.

Since then the archive has become the world's largest and most comprehensive collection of the author's books, drafts, manuscripts, personal correspondence and photos.

Stuart-Stubbs, head of UBC's Special Collections Division between 1960 and 1962, recalls the pivotal role played by poet and then UBC Prof. Earle Birney in convincing Lowry's widow, Margerie, to sell her husband's papers to the university.

"Birney was a close friend of Lowry's and very influential in Margerie's decision to have the collection housed at UBC," he says. "At the time of Lowry's death in 1957, it was discovered that his papers were dispersed among different friends and neighbours. Birney helped gather them for return to Margerie who owned the collection and the copyrights. She told Birney that her husband would have wanted the papers to go to UBC."

The collection currently includes more than eight metres of manuscripts, 375 books, including first editions of his modern masterpiece, *Under the Volcano*, and 750 photos, many depicting Lowry at his beach-side shack in Dollarton on Vancouver's North Shore. Relevant recordings, films, serials and microforms round out the archive.

"Scholars from five continents have come to campus to use the collection," says Brenda Peterson, head of the Special Collections Division and Fine Arts Library.

"Special Collections has the most unique and extensive holdings in the world as a result of efforts to acquire all pertinent Lowry publications and archival materials."

Peterson encourages all interested persons to view the collection. A number of bibliographical tools are available to assist with the thousands of catalogued items.

Many items from the Lowry archive were recently displayed in Main Library to celebrate the 50th anniversary of the publication of *Under the Volcano* and the recent publication of the second volume of Lowry's collected letters, edited by UBC English Prof. Sherrill Grace, under the title *Sursum Corda*. Latin for "lift up your heart," the phrase was used by Lowry to close his letters.

# News Digest

More than 500 students are expected to take part in the UBC Summer Music Institutes later this month.

The two, week-long institutes, now in their fifth year, give musicians ages seven to adult the opportunity to concentrate on their instruments or voice for up to eight hours each day and interact with School of Music faculty members and students. Master classes and private lessons are also available from members of the faculty, Vancouver Symphony Orchestra and Vancouver Opera Orchestra.

Strings, jazz, choir, concert bands and symphony orchestra are some of the areas which will be covered in the two institutes. Also offered is an evening adult jazz workshop.

All activities and rehearsals take place in the Chan Centre for the Performing Arts. Contact the School of Music at 822-5739 for more information.

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The Social Sciences and Humanities Research Council of Canada has awarded post-doctoral fellowships to 125 of Canada's most promising new scholars.

Post-doctorals fellows conducting their research at UBC are: Victor Armony, Sociology; Mona Gleason, History; Alexandra Gottardo, Psychology; Adele Perry, History; Patricia Spittal, Anthropology; Susan Bluck, Psychology; Elsbeth Heaman, History; Richard Mackie, History; Gillian Wark, Psychology; and Yuezhi Zhao, Communications.

Winners were selected from among 582 candidates by juries of expert researchers. All winners have recently earned their doctorates and will begin two years of full-time research work at universities and other research institutions.

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UBC cancer researchers will receive $1.5 million in funding this year from the Canadian Cancer Society, B.C. and Yukon Division.

Receiving grants are: Marcel Bally, Dept. of Pathology; Dr. Allen Eaves, Div. of Haematology; Lawrence Green, Dept. of Health Care and Epidemiology; Wilfred Jefferies, Dept. of Medical Genetics; Dr. Frank Jirik, Div. of Rheumatology; Thomas Madden, Dept. of Pharmacology and Therapeutics; and Lawrence McIntosh, Dept. of Biochemistry and Molecular Biology.

Also receiving grants are: Dr. Christopher Overall, Dept. of Clinical Dental Sciences; Steven Pelech, Dept. of Medicine; Michel Roberge, Dept. of Biochemistry and Molecular Biology; Calvin Roskelley, Dept. of Anatomy; Ivan Sadowski, Dept. of Biochemistry and Molecular Biology; John Schrader, Dept. of Medicine; and Hung-Sia Teh, Dept. of Microbiology.

The Canadian Cancer Society is the largest single funding source of cancer research in Canada.

• • • • •

David Borins and Kera McArthur have been elected student members of the Board of Governors. Prof. Bertie McClean, of the Faculty of Law, was appointed to conduct a recount in April of ballots cast in the January election. The recount was prompted because of alleged irregularities in the election proceedings.

Results of the vote recount, which took place on April 21, were: David Borins, 1,866; Kera McArthur, 1,464; Jeffrey Myers, 1,460; Edwin Mah King Leung, 1,239; Antonio Zungia, 1,185; and Michael Taylor, 750 votes.

• • • • •

**UBC and Forintek are co-hosting the 13th International Wood Machining Seminar (IWMS-13) at UBC June 17-20.**

Mechanical Engineering Assoc. Prof. Gary Schajer, who is chair of the IWMS-13 organizing committee, said the seminar provides a forum for leading international researchers and practicing engineers to present and discuss recent advances in wood-cutting tools, processes and machinery. IWMS-13 is held in conjunction with the 50th anniversary meeting of the Forest Products Society to be held in Vancouver June 22-26. Mechanical Engineering Prof. Stanley Hutton is also a member of the organizing committee. For further information on IWMS-13 contact Sandra Sauer at Forintek, (604) 224-3221.

• • • • •

The Congress of the Social Sciences and Humanities in the year 2000 will be hosted by the city of Edmonton and the University of Alberta.

The event, the largest of its kind in North America, is organized by the Humanities and Social Sciences Federation of Canada.

Formerly known as the Learned Societies Conference, the congress brings together thousands of academics, experts and professionals in more than 100 disciplines in the humanities and social sciences.

More than 7,000 delegates are expected to attend the event, including about 1,000 international participants.

UBC was among the universities short-listed to host the event.


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# Classified

The classified advertising rate is $16.50 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Public Affairs Office, 310 – 6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1, accompanied by payment in cash, cheque (made out to UBC Reports) or internal requisition. Advertising enquiries: 822-3131.

The deadline for the July 10, 1997 issue of *UBC Reports* is noon, June 30.

## Accommodation

**POINT GREY GUEST HOUSE** A perfect spot to reserve accommodation for guest lecturers or other university members who visit throughout the year. Close to UBC and other Vancouver attractions, a tasteful representation of our city and of UBC. 4103 W. 10th Ave., Vancouver, BC. V6R 2H2. Call or fax (604)222-4104.

**TINA'S GUEST HOUSE** Elegant accom. in Pt. Grey area. Minutes to UBC. On main bus routes. Close to shops and restaurants. Inc. 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 $52, plus $14/day for meals Sun.-Thurs. Call 822-8660 for more information and availability.

**BROWN'S BY UBC B&B.** Comfortable and relaxing accommodation close to UBC in quiet area. Quality breakfasts, queen-sized beds, private bath available. Satisfaction is assured for your friends or professional guests. Reasonable rates. Call 222-8073.

**BAMBURY LANE.** Bed and breakfast. View home. Two BRs, single $65, double $85. Ten minutes to UBC, 15 minutes downtown. Twin beds. Shared bathroom. Call or fax (604) 224-6914.

**DUNBAR, MODERN** furnished four BR home, 2.5 baths, living room, den, family room, two-car garage; near schools, shopping, bus route; 10 minutes to UBC. September 1, 97 - August 31, 98; $2500/month; call 263-3800.

**COUPLE AND TEENAGE DAUGHTER** seek like-minded folks to share maximum space and privacy in creative, communal, vegetarian, open-hearted home. Two bedrooms and sitting room with fireplace near UBC gates. $1125 + half utilities. July 1. Call 734-2522.

**WHISTLER/BLACKCOMB NEW** spacious comfortable condo on Blueberry. two BRs, hide-a-bed, two bath, mountain views. Close to valley trails and Alta lake for hiking, biking etc. Five mins. to Blackcomb village. Excellent summer rates of $120 per night, $700 per week. NS/NP call 263-5180.

**PENDER ISLAND RETREAT** - Sunny waterfront accommodation. Next to marine park. Skywatching from hammocks. Meals included. Kayaking, hiking and birdwatching. Boats and equipment by arrangement. Whalewatching available. Dock and moorage buoy on site. (604)228-8079.

**FOR RENT FROM JULY 1** to August 31. Furnished duplex townhouse, four BR plus office, washer/dryer, cable, next to Jericho Beach, 5 min from UBC. $1600/month. Call 224-6445.

## Accommodation

**GOING ABROAD.** Fully furnished house in Dunbar available for lease June to December/97. Excellent views and quiet environment. Ideal for visiting prof. No smoking. No pets. References imperative. Please phone Anders at 649-9597 after six or e-mail to pllau@unixg.ubc.ca.

**FRANCE. TWO ONE BR** fully furnished apartments. One located central Paris and one 25km south of Paris. Also one modern fully-furnished house, Provence, overlooking Rhone, in vineyard. Weekly or monthly rates available. Call 738-1876.

**GULF ISLANDS OCEANFRONT COTTAGE** for rent. Sunny, comfortable and convenient. Two BR and den, fireplace, TV, VCR, stereo, all mod cons., close to ferry on Mayne Island. $800/wk, negotiable for extended stays. Leave message at (250)539-5769.

**FOUR BR TWO BATHROOM** furnished house eight minutes from UBC. Close to buses, shops, parks. Large secluded garden with fruit trees. Utilities, laundry, local phone and cable included. $1850/month. July 1-August 31. Call 266-9324, e-mail:mdfinley@unixg.ubc.ca.

**BEAUTIFUL LARGE FAMILY HOME** with fabulous views, near UBC, beach, parks. Quiet. Five BR, gourmet kitchen. N/S. July 26 to August 10 (negotiable) $1400. Call (604) 224-0156.

**TORONTO, FULLY FURNISHED** downtown condo. Front and Church Streets. Two BR, two bathrooms. Lovely quiet building. Atrium, roof deck. Historic area. Short transit ride to U of T. Parking. $1450/month. Call (604) 322-8644.

**DUNBAR AREA HOME**, close to UBC, bus, shopping, community centre. Quiet. Three-four BR, three bathrooms, two kitchens, fenced yard. One year lease from fall/97 preferred. No smoking, no pets, references required. $2,000 + utilities. Call (604)224-3259.

**SHORT-TERM ACCOM.** Daily, weekly or monthly, reasonable rates. Queen bed, TV/VCR, private bath and fabulous view of the ocean. Kitchen and laundry facility available. Near UBC on Dunbar and 16th. N/S and N/P. Call 730-8305.

**Next ad deadline:**
Monday, June 30

## Accommodation

**SHORT-TERM ACCOM.** One BR basement apt. fully furnished available for daily/weekly rental. West side location on bus route downtown or to UBC. Sleeps four, children welcome. $65/night, three night minimum. Available June 1. (604) 266-3549.

## Housing Wanted

**53-YR-OLD MD AND SPOUSE**, neat, N/S, cats, require house two/three BR, quiet street. From July/Aug for one-two years. Call 228-0015.

**WANTED TO LEASE** Three-four BR home. Vancouver westside. Furnished or unfurnished. July 1 to July or August/98. Family of four moving to Vancouver for job promotion. Please call Ann: 689-3399 days, 731-4975 eve. e-mail: ann@bcpvpa.bc.ca.

## 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 dhodgins@hlp.fpc.ca.

## Events

**IKON PAINTING COURSE** with renowned Master Iconographer, Vladislav Andrejev, from St. Petersburg, Russia. Six day course, six hours/day at St. Marks College, UBC: July 14-19/97. For further information call 874-0891.

**Group Leaders Needed**

International House is looking for volunteers to provide services for international students during the school year. Leadership Training Program on June 22, 1997.

Those interested, call Wendy Ma @ 822-6519 by **June 13, 1997**


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Media Services photo

**Lynn Smith, dean of the Faculty of Law, signs a memorandum of understanding between UBC and the law faculty of Chulalongkorn University in Thailand. Standing from left are: UBC President David Strangway, Law Prof. Douglas Sanders and Chulalongkorn University representative Wayne Burns.**

# Agreement to send law students, faculty to Thailand

UBC law students and faculty will get the opportunity to study and teach in Thailand under a collaborative agreement reached between UBC and Chulalongkorn University.

In May 1999, the Faculty of Law at Chulalongkorn University will begin a Master of Laws (LLM) program, taught in English, in partnership with law faculties at the University of Victoria, UBC and the University of Kyushu in Japan. Two faculty members from each partner institution will teach for month-long stints each year at Chulalongkorn. The master's program, oriented to business law, will include environmental law issues, intellectual property law and international trade law.

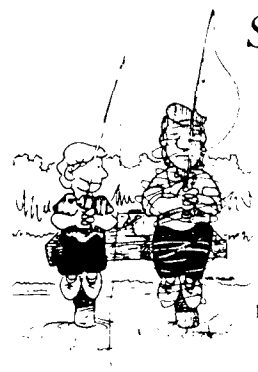
"Our faculty has exchanges with a number of schools but has never been able to exchange with Thailand because of the language barrier," says Douglas Sanders, a UBC law professor and faculty liaison to Chulalongkorn.

The proposed 10-month program will have a student body of about 20 students, drawn from the four universities.

Sanders, who has taught constitutional law for close to 30 years, initiated talks with Chulalongkorn in February after presenting a seminar at the university which is located in central Bangkok. An agreement was reached in principle on UBC participation in the English-language LLM program following his second visit. An official memorandum of understanding was signed by UBC's Dean of Law Lynn Smith last month.

"It's a tremendous opportunity for faculty and students," says Sanders.

Chulalongkorn University, Thailand's most prestigious post secondary institution, was founded in 1917 by King Rama VI.

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## Vice-President, Academic and Provost
## The University of British Columbia

The University of British Columbia invites applications and nominations for the position of Vice-President, Academic and Provost.

The University of British Columbia is one of Canada's leading teaching and research institutions. Incorporated in 1908, it is a publicly supported, comprehensive university comprising twelve faculties, nine schools, and twelve centres and institutes. The University's mission is to be a world-renowned institution of higher education and research.

UBC is affiliated with major teaching hospitals, including one which has a facility on campus. Total enrolment in 1995-96 was approximately 30,500, and there are roughly 2,000 faculty and 5,500 non-academic and support staff. Total expenditures in 1995-96 were $750 million, including $341 million in core operating and $137 million in sponsored research. The UBC endowment fund surpassed $340 million in 1995-96.

*The Vice-President, Academic and Provost, who reports* to the President, is responsible for the planning, development, administration and integrity of the academic affairs and research initiatives of the University. The Provost is the senior Vice-President and serves as Acting President in the absence of the President.

The successful candidate for this key leadership role at UBC will be a respected scholar and administrator, able to formulate and articulate an academic vision for the University. Candidates should possess a strong record of scholarly and administrative leadership, an ability to communicate effectively and consult widely with all levels of the university community and externally, and an understanding of contemporary university issues. See the detailed Position Profile at http://www.interchange.ubc.ca/aldanac/.

*The appointment will commence on January 1, 1998.* Applications or nominations for this position, indicating the qualifications on the basis of which the individual merits consideration, will be received until a selection is made and should be sent to the address below.

UBC hires on the basis of merit and is committed to employment equity. The University encourages all qualified persons to apply.

**Janet Wright & Associates Inc.**
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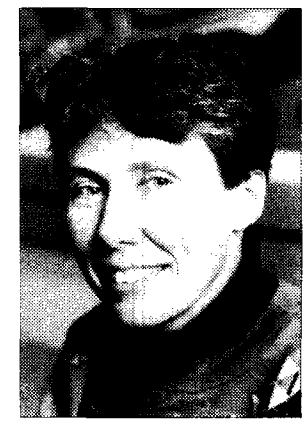
# People

*by staff writers*

**Maria Klawe**, vice-president, Student and Academic Services and professor of Computer Science, was named one of five regional Chairs for Women in Science and Engineering last month by the Natural Sciences and Engineering Research Council of Canada.



**Klawe**

Klawe's chair, sponsored by the IBM Pacific Development Centre, will focus on encouraging the participation of women in areas of science and engineering related to information technology.

Klawe was also the winner in the Science and Technology category at the 14th annual Vancouver YWCA-sponsored Women of Distinction awards held in May. She has been influential in helping create programs to attract and support women in computer careers. On campus she has been instrumental in creating the UBC Computer Science Laboratory known as E-GEMS - Electronic Games for Education in Mathematics and Science.

• • • • •

Geography Prof. **Walter Hardwick** will receive the Order of British Columbia later this month.

Hardwick — who has also served as a Vancouver city councillor, deputy minister of education and president of the Knowledge Network — is among 11 people who will receive the honour this year.

The selection committee, headed by B.C.'s chief justice, received more than 120 nominations. Anyone who has achieved distinction in his or her field is eligible, from athletes and artists to scientists and community volunteers.

The awards will be presented June 19 in Victoria.

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UBC faculty members Prof. **Indira Samarasekera** and Prof. **Keith Brimacombe**, PhD candidate **Cornelius Muojekwu** and research associate **Daqing Jin** of the Centre for Metallurgical Process Engineering have received the John Chipman Medal, presented by the Iron and Steel Society, for their research on hot-rolling of steel from continuously cast thin slabs.

**Samarasekera**

Prof. Samarasekera has also recently been honoured with fellowship in the Canadian Academy of Engineering. The Academy recognizes individuals who have made major contributions to the engineering community. The fellowship will be bestowed in Ottawa this month.

Samarasekera's research focuses on the processing and metallurgical design of advanced steel grades and deals with continuous casting, in which liquid is converted to solid steel.

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**Ruth Phillips**, a distinguished art historian and teacher from Carleton University, has been named the new director of the Museum of Anthropology.

Phillips has published widely on the aboriginal arts of North America, women's art in Africa and the role of museums.

She received the Canadian Museums Association Award for Outstanding Exhibition Research for her contribution to the 1988 exhibit The Spirit Sings.

"Ruth Phillips is an outstanding scholar, teacher and individual," said Michael Ames, who is stepping down as director after 23 years. "Everyone is very excited about her coming to MOA."

• • • • •

UBC Engineering graduate **Habib Zargarpour** narrowly missed winning an Oscar recently after receiving a nomination for an Academy Award for his stunning special effects in the movie Twister.

Consolation soon arrived, however, in the form of a British Academy Award which Zargarpour received last month.

Zargarpour graduated from UBC with an engineering degree in 1988 and now works for George Lucas's Industrial Light and Magic in San Francisco.

Zargarpour has also worked on special effects for the films Jumanji and Mask. His next project is called Spawn, followed by the next Star Wars movie.

# New Liu Centre to zero in on pressing global issues

The new generation of global issues now challenging societies and their governments worldwide will be the focus of the new Liu Centre for International Studies at UBC.

Recently approved by the university's Senate and Board of Governors, the centre and its academic program will enhance the abilities of researchers to delve into the many and unprecedented circumstances produced by globalization, including those associated with new trading and investment practices, environmental deterioration, migration patterns, and communicable diseases.

Academic programs begin Sept. 1.

"In addition to the global perspective that will be brought to bear, there will be a conscious endeavour to study issues and propose solutions that will be of use to governments and international organizations as they tackle unprecedented problems," said Prof. Ivan Head, who helped plan the centre's creation.

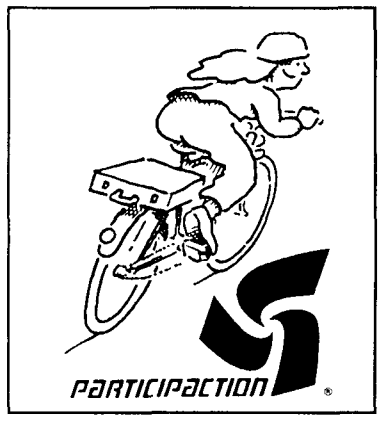
"Current knowledge is simply inadequate to devise wise policies and courses of action. The complexity of these problems demands the involvement of scholars from a wide range of disciplines," said Head.

The centre, which will be part of the Faculty of Graduate Studies, will draw on the expertise of more than 90 faculty members from across campus and particularly with the Institute for International Relations, the Centre for Human Settlements, the Sustainable Development Research Institute, and the South-North Studies Program. The centre will also collaborate closely with the University of Victoria and other institutions.

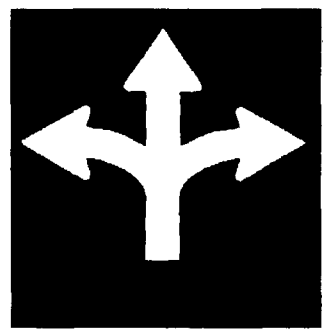
Prof. Olav Slaymaker, chair of the centre's Academic Steering Committee, said linkages with individuals and institutions outside the university will also play an important role.

The centre is seeking the participation of senior diplomats and officials now engaged with international organizations, and with the Canadian and other governments, through fellowships and other linkages. Ties to the business community will also be developed, Slaymaker said.

Master's and doctoral students and faculty associated with the centre will participate in a range of seminars and other scholarly activities enhanced by close interaction with Green College and St. John's College.



**Go West.**

Some of Vancouver's most diverse and interesting attractions are in your backyard.

This summer, why not take a free, guided walking tour of UBC?

Art, architecture, splendid gardens, libraries, and Western Canada's largest bookstore.

Tours run until August 22, Monday-Friday at 10 a.m. and 1 p.m. Meet at the Campus Tours booth in the main concourse of the Student Union Building (north of the Bus Loop).

For more information, or to book a group tour, call UBC-TOUR (822-8687).

THE UNIVERSITY OF BRITISH COLUMBIA
Ceremonies and Events Office


## In Memoriam

### Chan Shun
# A lifetime of giving

Dr. Chan Shun, the businessman and philanthropist in whose honour the Chan Shun Concert Hall in UBC's new performing arts centre is named, died May 25. He was 80.

Chan, who moved from Hong Kong to Vancouver in 1989, was born in Guangzhou, China. He learned early on to sew and to repair sewing machines, and in his teens he bicycled from town to town in southern China selling garments and repairing appliances. He later founded Crocodile Garments Ltd. in Hong Kong, a successful company from which he retired in 1970, leaving the running of the business and the family's charity operations to his children.

Guided by his Christian faith, Chan believed in sharing the benefits of his success with others. He also maintained a keen interest in learning. Often referred to as "a steward of the Lord," he strongly believed that his financial success was a gift from God. He chose a simple life, so that he could conserve, reserve and allocate his resources wisely to support selected medical, educational and cultural projects. During the past 40 years, Chan family foundations have funded more than 100 such projects around the world.

Chan instilled his commitment to philanthropy in his children. UBC was a major benefactor of this, as his sons Tom and Caleb Chan funded the building of the Chan Centre for the Performing Arts to honour their father.

**Chan Shun**

At the opening of the Chan Centre for the Performing Arts last month, Dr. Tom Chan spoke in his father's absence, saying it is "the worthiness of the cause, not the benefit to the donor" that is the most important aspect of giving.

In 1974, Andrews University in Michigan conferred an honorary degree of Doctor of Laws on him in recognition of his contributions to education and humanity.

On May 25, Loma Linda University in California dedicated its Research Centre of the Cancer Institute in Chan Shun's name, in honour of his long-term commitment to education and medicine. A scholarship was also established in Chan Shun's name. He was honoured at this time with the university's Distinguished Humanitarian Award.

He is survived by his wife Eugenia, five children, Tom, Caleb, Helen, Esther and Jacqueline, and 17 grandchildren. He was predeceased by his daughter Pearl.

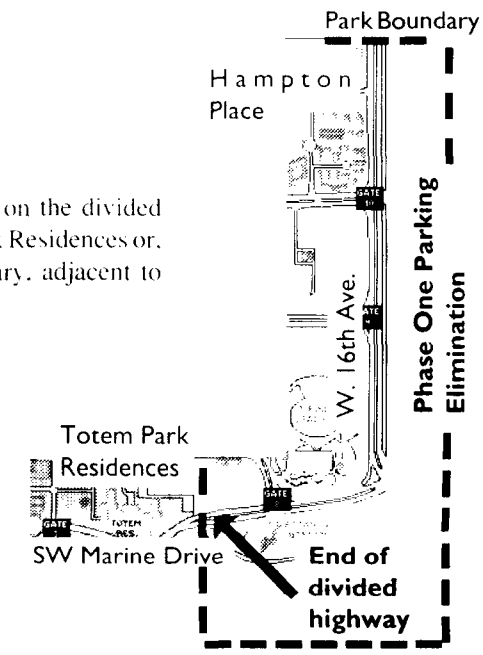
## Notice of Change to Parking at UBC

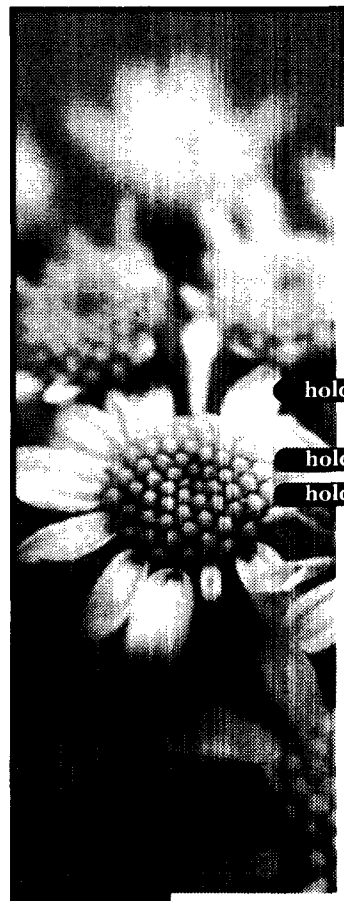
As of July 2, 1997, parking will no longer be permitted on the divided highway sections of SW Marine Drive, south of Totem Park Residences or, on W. 16th Ave., west of the Pacific Spirit Park boundary, adjacent to Hampton Place.

Enforcement of the Highways Act will be conducted by the RCMP.

This is the first phase of a program to eliminate free parking on roads adjacent to UBC in suppport of the university's Transportation Demand Management program, a key component of the Official Community Plan process.

If you have any questions, or for further information, please call Campus Planning and Development at 822-8228.



## UBC DEVELOPMENT APPLICATIONS

Students, faculty, staff and members of the public—**Does this affect you?** The following projects for the UBC Campus are currently being considered. You are encouraged to give us your opinions on these projects:

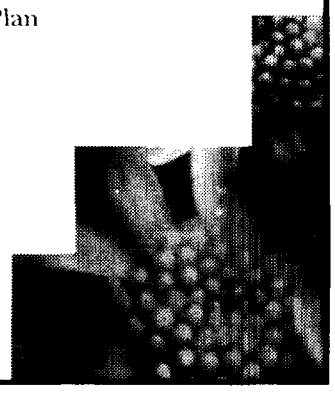
**PLANS & PERMIT REVIEWS IN PROGRESS**

- hold — *Official Community Plan for part of Electoral Area 'A'* November, 1996
- hold — *St. John's College*—Phases 2 & 3
- hold — *Creative Arts*—Phase 2
- *MacKenzie House Atrium Renovation*

**& FOR YOUR INFORMATION...**

- Permit Fees—All UBC Development & Building Permit fees have changed effective April 1, 1996

**FOR MORE INFORMATION ON ANY OF THESE PROJECTS**
please contact JIM CARRUTHERS AT 822-0469, carruthers@cpd.ubc.ca or visit our Campus Planning & Development Home Page on the Internet at http://www.cpd.ubc.ca/cpdhome/cpdhmpg.htm or the UBC Home Page http://www.ubc.ca under News, Events and Attractions for information on UBC/GVRD Official Community Plan

*Information supplied by:*
Regulatory Services, a division of Campus Planning & Development, 2210 West Mall, Vancouver, BC, V6T 1Z4, 822-8228 (ph), 822-6119 (fax).
June 12, 1997

**campus planning & development**