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UBC Archives Send

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THE UNIVERSITY OF BRITISH COLUMBIA



TIE THIS A workshop on the ancient art of Chinese knot tying will be among the attractions featured at the Lunar New Year Festival Feb. 13 in the C. K. Choi building. Knot artist Daisy Lee will display her work and offer a one-hour workshop from 11 to noon and 1 - 2 p.m. Other highlights of the festival, which takes place from 11:30 a.m. - 2:30 p.m., include a crafts sale, lion, Indonesian and Korean mask dancing and exotic food. For more information, call 604-822-4688.

UBC earns lion's share of innovation funding

Research excellence rewarded by national panel of peers

RESEARCHERS AT UBC and its affiliated teaching hospitals received almost \$76 million in infrastructure research funding for 16 projects — the largest amount awarded — from the Canada Foundation for Innovation (CFI) in a recent competition.

"There is no substitute for excellence, that's what this is all about," says UBC President Martha Piper. "This is not regional distribution. This is pure research reviewed by the experts in the field."

The total funding for B.C. will generate significant new knowledge that will benefit students, the economy and society, Piper adds.

CFI made a Canada-wide investment of \$588 million to support infrastructure projects in Canadian universities, colleges, hospitals and not-for-profit research institutions.

"This is an extraordinary accomplishment and the researchers deserve a great deal of credit for their creativity and excellence," says Indira Samarasekera, UBC's vice-president, Research.

With CFI funding of almost \$13 million, the International Collaboration on Repair Discoveries (ICORD) Centre — to be built at Vancouver General Hospital — will be the first Canadian research

centre and the second in the world focused on interdisciplinary development of spinal cord injury (SCI) therapies.

"This funding allows us to build a leading-edge facility. We anticipate that this will become one of see *Innovation* page 2

Short winter days mean higher returns, researchers say

Study shows seasonal moods affect markets worldwide

by Lisa Miguez Commerce; Michelle Cook staff writer

WINTER BLUES may be bad for us but not for the return on our portfolios, according to research conducted recently in the Faculty of Commerce and Business Administration.

The study, called Winter Blues: A SAD Stock Market Cycle, shows that seasonal affective disorder (SAD) brought on by short, dark days is associated with higher stock market returns.

The reason? People who are

suffering from even mild depression tend to take fewer risks, and are less likely to buy highly priced stock says one of the paper's co-authors Prof. Maurice Levi.

On the opposite end of the scale, stock markets experience lower returns during the long, bright days of summer.

The study surveyed annual data from stock exchanges located at various latitudes around the world. The data produced an overwhelming amount of evidence linking stock returns to the amount of daylight through the course of the year.

Centre to zero in on human security

Annual report on global violence among goals

by Michelle Cook staff writer

MAPPING THE INCIDENCE, severity and consequences of global violence will be the major focus of UBC's new Centre for Human Security.

Part of the Liu Centre for the Study of Global Issues, one of the centre's major goals will be the production of an annual Human Security Report, modelled in part on the United Nations' high profile *Human Development Report*.

"The Liu Centre's strong stress on interdisciplinary research and the fact that its director, Lloyd Axworthy, pioneered the concept of human security as Canada's foreign minister, makes it an ideal place to focus on human security issues," says the centre's director, Andrew Mack.

"The traditional goal of national security has been to protect the physical integrity of states, but secure states do not necessarily mean secure citizens. Indeed, for most of the 20th century far more people were killed by their own governments than by foreign armies."

Protecting states from external attack by other states is decreasing in relevance in a world where more than 90 per cent of armed conflicts take place within countries, not between them, he adds.

In addition to mapping global violence — criminal as well as political — the report will chart policy responses to that violence — from preventive diplomacy missions to strategies for addressing the root causes of violence.

While the report will commission new research in a number of areas, a major objective will be to "translate" academic research to make it more accessible to the policy community — including non-governmental organizations (NGOs) — and to educators, the media and the interested public.

After three years working at the UN as Kofi Annan's strategic planning director, Mack says he was surprised at how little influence academic research had on the policy community.

"This is mostly because officials rarely see the findings that conflict researchers produce, let alone the data on which they are based," he says. "Few UN diplomats, for example, believed that there had been a large upsurge of ethnic conflict around the world in the 1990s. In fact the number of armed conflicts declined by more than 35 percent. Finding out why this reduction took place will help us understand how to reduce global violence in the future."

Too often, Mack says, governments and NGOs design policies for preventing violence without access to the best research on prevention.

"It's a bit like a prescribing medicine without diagnosis," he says.

The first report is scheduled for release in 2003. The centre will work in partnership with institutions worldwide, including the developing world, to produce it.

Mack comes to UBC from Harvard University's Program on Humanitarian Policy. Prior to joining the UN in 1998 he held the chair in International Relations at the Australian National University.

like seasonal changes, that affect people," Levi explains. "The market is affected by people's animal feelings."

Levi says that while the study won't help those hoping to make money off their blue moods, it overturns the traditional view that human behaviour doesn't play a big role in stock market analysis.

Levi's search to find a systematic link between SAD and the stock market builds on earlier research he and his colleagues did to link the change to daylight savings time to market performance. Levi's paper on the topic, "Losing Sleep see *Higher returns* page 2

Innovation funding

Continued from page 1

the world's premier spinal cord injury centres," says John Steeves, ICORD's principal investigator and director of the CORD research group at UBC since 1995.

The concept for the centre was initiated by the Vancouver-based Rick Hansen Institute (RHI), an organization that aims to accelerate the discovery of a cure for SCI. The RHI and Vancouver General Hospital, a part of the Vancouver Coast-

al Health Authority, are partners in the centre.

"This is the beginning of my new dream," says Hansen. "Most of what we know about spinal cord injury has been discovered in the last 10 years. With today's knowledge and technology, the time is right to get to work on new cures and treatments. We believe it is possible to walk away from a spinal injury."

The new building, comprising approximately 7,000 square me-

tres, will be located at the Vancouver General Hospital site so that new knowledge can be rapidly translated into new therapies. More than 300 Vancouver-based researchers as well as up to 12 visiting research teams will share equipment and facilities to complete programs that could not be achieved by a single discipline.

"The centre represents what can be achieved through partnerships that bring together world-class scientists, physicians, patients and community leaders towards a common goal of discovery through research," says Philip Hassen, CEO of the Vancouver Coastal Health Authority. "Our collaboration with UBC and the Rick Hansen Institute offers immense capacity for us to mobilize resources in developing the best treatments."

UBC's Museum of Anthropology (MOA) Interdisciplinary Research Facility received funding of more than \$17 million. It will be the first such fa-

cility in the world to link scholars, First Nations communities and research museums. It will be located in renovated space at MOA.

"This facility will accelerate the pace of museum research," says Ruth Phillips, MOA director. "The potential for technology to support collaborative research is enormous and critical where research partners are geographically dispersed and knowledge systems are culturally distinct."

The Reciprocal Research Network will link North American researchers and collections via an electronic network that will provide access to artifacts, images and knowledge.

Interdisciplinary investigations will look at material and visual culture, language and oral history museology and repatriation, and new technology and intellectual property.

Four research suites are planned in renovated areas of the museum. They will focus on ethnology, archaeology, community research and research services.

Other CFI funded projects include a Centre for Blood Research, an Integrated Biodiversity Laboratory and a Centre for Research on Childhood Diabetes.

The CFI support represents 40 per cent of required funding. UBC researchers will apply to the provincial government for a matching 40 per cent. The remaining support will come from private sources and industry.

An independent corporation established by the federal government in 1997, CFI is responsible for a budget of \$3.15 billion.

A complete listing of projects can be found at the CFI Web site at www.innovation.ca.

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

Tel: 604-UBC-info (604-822-4636)
Fax: 604-822-2684
Web site: www.publicaffairs.ubc.ca

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DIRECTOR, PUBLIC AFFAIRS

Scott Macrae
(scott.macrae@ubc.ca)

EDITOR/PRODUCTION

Janet Ansell
(janet.ansell@ubc.ca)

CONTRIBUTORS

Michelle Cook
(michelle.cook@ubc.ca)
Hilary Thomson
(hilary.thomson@ubc.ca)
Don Wells
(don.wells@ubc.ca)

CALENDAR

Carol Price
(pubaff@exchange.ubc.ca)

PUBLICATIONS MAIL
AGREEMENT NUMBER 1689851

The Madeleine Sophie Barat Award The Use of Freedom Essay Contest 2001/2002

PRIZE: \$1000

SUBJECT: "THE CREATIVE AND RESPONSIBLE USE OF FREEDOM"

Choose your own focus, e.g. Literature, Art, Capitalism, Philosophy, the Environment, Interpersonal Relations, Economics, History, etc.

Eligibility: Open to third- and fourth-year undergraduate and graduate students of UBC and affiliated theological colleges.

Entries must be submitted on or before Friday, May 31, 2002

Prize awarded: Friday, Sept. 27, 2002

Application forms may be picked up Monday to Friday, 10a.m.-4 p.m. at St. Mark's College, 5935 Iona Drive, at the extreme northeast corner of the campus, M-F, 10am-4pm.

Higher returns

Continued from page 1

in the Market: the Daylight Saving Anomaly," was recently published by the *American Economic Review*.

Levi became interested in pursuing research in the area of behavioural finance five years ago after reading the book *Sleep Thieves* by UBC Psychology Prof. Stanley Coren. In it, Coren links an increase in automobile accidents and a variety of other costly events to changes in daylight savings time.



THE UNIVERSITY OF BRITISH COLUMBIA

Reappointment of Dr. Martha Piper: Your Input

The employment contract between the University of British Columbia and its President, Dr. Martha Piper, sets June 30, 2003 as the end date of the initial term of appointment. The agreement provides for renewal of that appointment if both Dr. Piper and the Board of Governors jointly decide to do this. That decision is required to be mutually settled by June 30, 2002.

The contract further provides for the manner in which the Board will arrive at a decision. It requires the Board to establish a Select Committee to review the performance of Dr. Piper and provide a report to the Board standing committee on Management and Resources Compensation (MRCC). The MRCC and the Select Committee are charged with making recommendations to the Board.

To assist in preparing its report for the MRCC, the Select Committee wishes to conduct a broadly-based consultation that includes both on- and off-campus organizations. It also invites individuals to communicate their assessment of Dr. Piper with reference to the issue of reappointment.

The Select Committee consists of the following members of the Board of Governors: Bill Sauder (Chancellor), Larry Bell (Chair), Greg Lawrence (faculty), Tieg Martin (student), Ben Pong (staff), Linda Thorstad (alumna), and Guninder Mumick and Joe Wai (appointed by Provincial Government).

Persons wishing to communicate with the Select Committee should do so in writing no later than March 31, 2002, addressed to the Chair of the Committee (Mr. Larry Bell) care of:

Mrs. Nina Robinson,
Secretary to the Board of Governors
The University of British Columbia
6328 Memorial Road
Vancouver, B.C. Canada V6T 1Z2
Telephone: 604-822-2127
Fax: 604-822-1205
E-mail: sole@oldadm.ubc.ca

Submissions will be kept confidential.

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THE UNIVERSITY OF BRITISH COLUMBIA

2002 President's Service Award for Excellence Nominations

The committee is seeking nominations of outstanding staff and faculty who made distinguished contributions to the university.

Nomination forms can be found on-line at www.external-affairs.ubc.ca/ceremonies/honours. Otherwise, call 604-822-2484. Please mail nominations to: President's Service Award for Excellence Committee, c/o Ceremonies Office, Second floor, Ponderosa B, Campus Zone 2.

Centre investigates lung, heart disease

Facility pools experts and resources to find answers

by Hilary Thomson staff writer

ALLISON BANTING had no reason to know about lung disease research in Vancouver until last spring.

That's when a near-fatal asthma attack put her in St. Paul's Hospital's intensive care unit where she was treated by members of the iCAPTURE Centre.

The \$17-million research centre — one of only a handful of similar centres in North America — is based in Providence Health Care and is a partnership of St. Paul's Hospital, the Vancouver Hospital and Health Sciences Centre and UBC.

Co-directed by Dr. Bruce McManus and Dr. Peter Paré, the centre seeks to find cures for the heart, blood vessel and lung diseases that each year kill 55 per cent more Canadians than all cancers combined.

An asthma sufferer for the last 22 years, Banting was sitting in the hospital's emergency ward awaiting help for a bad attack. She left the hospital after a life-threatening episode that left her nearly unconscious and on a respirator for three weeks.

"My understanding of this disease has changed," says the 47-year-old. "I never thought that it could kill me."

Physicians, nurses and respiratory therapists helped to educate Banting about asthma and develop an action plan that includes self-monitoring of lung function.

"I wouldn't be here without the knowledge that those doctors and nurses have," she says.

Banting was treated with an experimental helium therapy in addition to conventional treatment,

says Dr. Del Dorscheid, one of the centre's researchers who is also an intensive care physician. He and Paré specialize in asthma research, trying to better understand causes of the chronic inflammation that scars the airways and leads to air-flow obstruction.

There are currently 23 principal investigators at the centre and a total staff of 155 that comprises research associates, undergraduate, graduate and co-op students, technicians and post-doctoral fellows. Disciplines range from virology to computational biology and pathology.

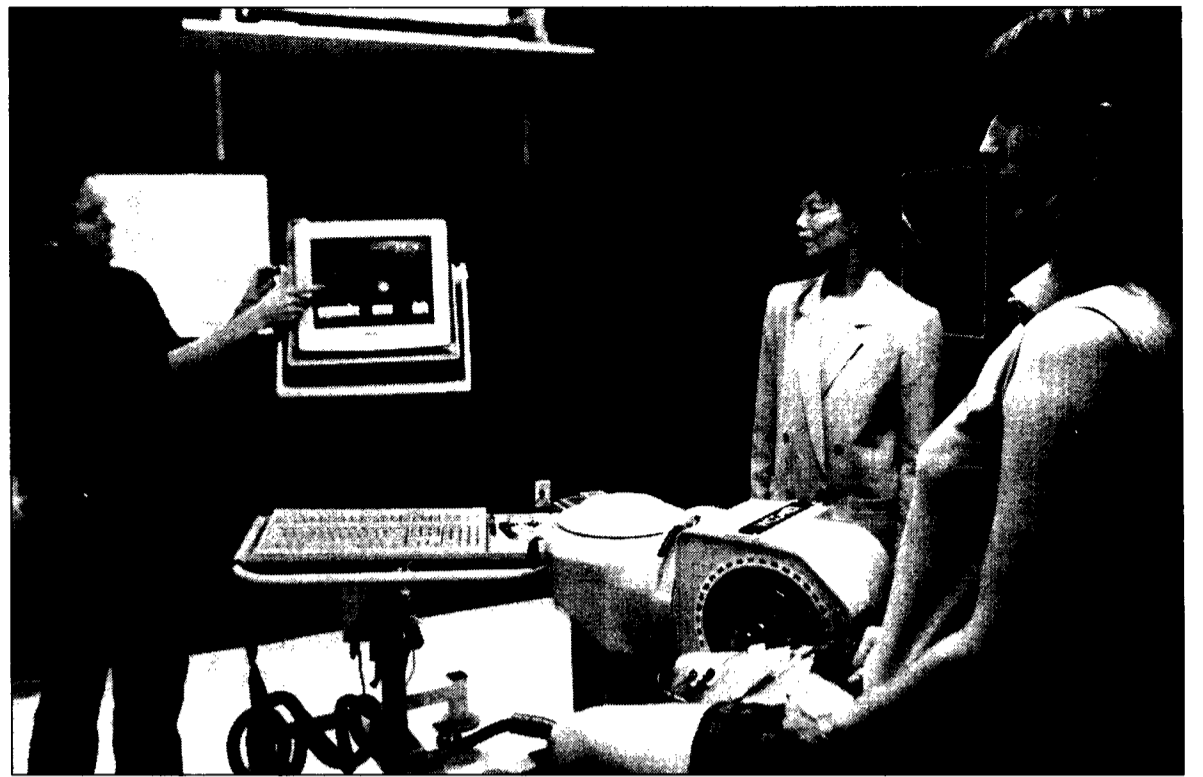
National and international collaborations include investigations into viruses as a cause of asthma, emphysema and heart failure as well as studies aimed at reducing the accelerated hardening of the arteries that follows heart transplantation.

Former vice-president, Research, at St. Paul's, Dr. James Hogg, whose vision helped create iCAPTURE, is part of a major project that investigates why some lifetime smokers develop lung disease and others remain healthy.

"I feel tremendously privileged and excited to be engaged with this unique combination of people and resources," says McManus who is also a Canadian Institutes of Health Research director.

Recent funding from the Canada Foundation for Innovation meant the existing infrastructure of the 25-year-old McDonald Research Laboratories, a part of St. Paul's Hospital, could be renewed and expanded by 1,800 square metres to create iCAPTURE.

Technology at the centre will include a digital electron microscope to examine tissue and cells at enormous magnification and an atomic force microscope to map the activities of living cells.



Rehabilitation Sciences researchers Kim Keays (left) and Asst. Prof. Janice Eng show study participant Tracy Barber how the KinCom isokinetic dynamometer measures and displays data on muscle strength. The equipment, along with a balance-testing machine, will be used in a study that examines how muscles recover from prolonged weightlessness. Richard Lam photo

Study flexes muscles

Rehabilitation Sciences researchers will seek to discover how muscles recover after weightlessness and lack of use

SKIERS, HIKERS and astronauts may all benefit from an investigation launched recently by UBC Rehabilitation Sciences researchers.

The first study of its kind in North America, it aims to discover how wasted and weakened muscles recover from prolonged periods of weightlessness.

"Our study findings have significant implications for how we treat astronauts returning to Earth from the international space station," says principal investigator Donna MacIntyre, an associate professor of Physical Therapy. "Results will also influence therapies for injuries from skiing, hiking or

motor vehicle accidents where there are bone fractures."

More than 40 people will take part in the three-year controlled clinical study, a joint life science project of the Canadian Space Agency, Vancouver General Hospital (VGH) and UBC.

MacIntyre will be working with co-investigators Asst. Prof. Janice Eng and Asst. Prof. Darlene Redenbach, both experts in physical therapy at the School of Rehabilitation Sciences.

Half of the study participants are patients who have been non-weight bearing for at least six weeks. Types of injury will vary,

but most patients will have been immobilized because of broken legs or torn Achilles tendons at the heel. The remaining participants will form the control group.

Rate of muscle recovery will be assessed for all 40 participants while they engage in a standardized physiotherapy program that can last from six weeks to three months. Exercises include knee and ankle movements, weight lifting, balancing moves and aerobic exercise.

Testing patients' muscle strength, fatigue and balance will take place at the Rehabilitation Research Laboratory of the GF Strong Rehabilitation Centre using a machine that resembles an airplane cockpit and provides video displays of muscle strength. Another machine tests patients' ability to maintain balance.

"The body's muscles are microscopically damaged when they are not exposed to gravity and forced to carry the body's weight. This can happen when you are confined to bed, use crutches to keep a broken leg off the ground or spend lengthy periods in space," says MacIntyre.

Scientists estimate that the body's muscles are damaged after 30 days of bed rest with muscle mass declining by eight per cent in the thigh and four to five per cent in the calf. There can be a 20 per cent decrease in leg strength after only two weeks of bed rest.

Muscle biopsies from astronauts show some loss of muscle mass after five days of weightlessness with significant damage after 11 days.

Patients will also be treated in the physiotherapy department at VGH. Researchers will conduct biochemical blood testing and analysis to determine extent of muscle injury and inflammation at the muscle injury lab at the School of Rehabilitation Sciences. Analysis of study results will also take place at UBC.

Older women think age does wither you

Bodies change but image concerns don't, study suggests

by Michelle Cook staff writer

If you think your worries about weight and wrinkles will disappear with the wisdom of age think again, says UBC researcher Laura Hurd Clarke.

In a recent study of women aged 60-92, Hurd Clarke found that all still voiced concerns over appearance and body image well into later life.

"I think that a lot of people assume that when we get older suddenly, magically we'll become wise about body image," says Hurd Clarke, a Canadian Institutes of Health Research post-doctoral fellow in the School of Social Work and Family Studies. "We think we'll become less concerned about our appearance. I don't think that's realistic."

Hurd Clarke interviewed 22 women with different ethnicities,

social classes, marital statuses, and levels of health to determine their feelings about their appearance, aging and what was most important about their bodies.

She found that older women, like younger women, still express displeasure with their bodies and their weight but also with declining health and physical abilities.

As they experience health problems, they reprioritize what's important to them, Hurd Clarke says, but they never completely shed their body image concerns and that creates a complex and interesting tension between beauty and health.

Although many of the women dismissed extremely thin older women as "scrawny" and the thin "Ally McBeal" beauty ideals being promoted to younger women today, almost all still expressed a desire to lose weight themselves. All

but one admitted to dieting at some point in their lives.

Hurd Clarke says that despite women's continued concern with their appearance in later life, her findings offer some hope for younger generations of women.

"Older women tend to prefer more rounded female figures than the current beauty standards allow. They tend to say that a beautiful woman is more soft and rounded than today's fashion models and movie stars," Hurd says.

With baby boomers getting ready to retire soon and greater numbers of older adults in society, she thinks concepts of female beauty and negative assessments about older women's appearance are going to be increasingly challenged.

In future, Hurd Clarke hopes to conduct a similar age and body image study with men to explore their body image-age tensions.



Researcher Laura Hurd Clarke

Currently, Hurd Clarke is looking for women aged 50-90 who married for the second or third time after age 50 (legally or common law) for a study on older women and remarriage. To participate, call 604-822-2589 or e-mail lcl Clarke@interchange.ubc.ca

SUNDAY, FEB. 10

Concert

Beethoven Violin Sonata Cycle Part 2. Andrew Dawes violin; Jane Coop, piano. Chan Centre at 3pm. Admission \$25/\$15. Call Ticketmaster at 604-280-3311 or Chan Centre at 604-822-9197.

MONDAY, FEB. 11

Teaching And Learning With Technology Lecture Series

The Future Of The Web: Intelligent Devices And Education. Howard Strauss, Academic Applications, Princeton U. University Centre Conference Room from 10-11:30am. To register visit www.cstudies.ubc.ca/facdev. Call 602-822-9149.

Green College**Thematic Lecture Series**

Peacemaking Circles For Dialogue And Democracy. Barry Stuart, chief justice, Territorial Court of the Yukon Territory. Green College at 5pm. Call 604-822-1878.

Lunar New Year Festival

Mask Dancing, Workshops, Crafts, Food. ck Choi from 11:30-2:30pm. Call 604-822-4688.

Wednesday Concert Series

Clariphony: Mozart, Prinz And Forsyth. Wes Foster, Nicola Everton, Chris Iguante, clarinets. Music Recital Hall at 12 noon. Call 604-822-5574.

Chemical And Biological Engineering Seminar

Computational Fluid Dynamics And Its Applications In Chemical Engineering. Fariborz Taghipour. ChemEng 206 at 12 noon. Call 604-822-3238.

Wednesday Lecture Series

Feminism Sainthood Nation: The Making Of Women Saints. Kathleen Phillips, U of Western Sydney. Centre for Women's Studies and Gender Relations from 12 noon-1pm. Coffee/tea. Call 604-822-9171

from 12 noon-1pm. Call 604-822-4060 or 604-822-4091.

Friday Concert Series

Chinese New Year. UBC Chinese Ensemble. Main Library 502 at 12 noon. Call 604-822-5574.

Concert

UBC Jazz Ensemble 1. Music Recital Hall at 12 noon. Call 604-822-5574.

Occupational And Environmental Hygiene Seminar

Mary Miller, Master Of Nursing, Dept. of Labour and Industries Employment Standards, State of Washington. UBC Hosp., Koerner Pavilion G-279 from 12:30-1:30pm. Call 604-822-9861.

Friday Afternoon Writing Clinic

Main Library, Dodson Room from 3-4pm. Call 604-822-9565.

Concert

UBC Symphonic Wind Ensemble; Kwantlen College Wind Ensemble. Chan Centre at 8pm. Call 604-822-5574.

SUNDAY, FEB. 17

Pacific Spirit Concert

Fantastic Music For Winds. Music Recital Hall at 3pm. Admission \$20/\$10. Call 604-822-5574.

MONDAY, FEB. 18

Chalmers Institute Lecture

Centering Prayer Intensive. Cynthia Bourgeault. VST level III from 10am-9pm. \$220;\$200 (team); \$110 (senior) To register visit www.vst.edu or call 604-822-9815.

Pharmacology And Toxicology Seminar Series

Molecular Signalling Pathways For Central Synaptic Plasticity. IRC #3 at 2pm. Call 604-822-2343

IAM-PIMS Seminar

Signal Processing In Cellular Regulatory Networks. Adam Arkin, Bioengineering, U of California, Berkeley. LSK 301 from 3-4pm. Refreshments at 2:40pm in LSK 306. To register visit www.iam.ubc.ca. E-mail iam@iam.ubc.ca or call 604-822-4584.

TUESDAY, FEB. 19

Seminar

Structural And Functional Studies Of The Photosynthetic Bacterium R. Sphaeroids Reaction Centre H. Ali Tehrani. Westbrook 100 from 12:30-1:30pm. Call 604-822-3306.

John G. Moffatt Lecture

Molecules That Do Things: Asymmetric Synthesis With Chiral Metal Complexes. David Evans, Chemistry, Harvard U. Chemistry B-250 from 12:45-1:45pm. Refreshments at 12:30pm. Call 604-822-3341.

WEDNESDAY, FEB. 20

Orthopedic Grand Rounds Lecture

TBA. VGH, Eye Care Centre Aud. from 7-8am. Call 604-875-4192

Professors Emeritii Sponsored Lecture

The Aging Brain. Dr. Max S. Cynader, Brain Research Centre. Cecil Green at 2pm. Refreshments at 1:15pm. Call 604-822-3112.

Seminar OBST 506

Identification And Characteristics Of Human Heart Epithelial Stem Cells. Dr. Joanne Emerman, Anatomy. BC's Women's Hosp. 2N35 from 2-3pm. Call 604-875-3108.

THURSDAY, FEB. 21

Conference

Transculturalisms Canada: Cultural Mingling: Between Among Within Cultures. Green College. Continues to Feb 24. To register e-mail Joanna Clarke at joclarke@interchange.ubc.ca.

Lecture

Signal Transduction Pathways Affecting The Transcriptional Coactivator Alpha NAC. Dr. Rene St-Arnaud, Shriners' Hospital for Children, Montreal. Westbrook 201 at 4pm. Call 604-822-8764.

FRIDAY, FEB. 22

Concert

Vancouver Symphony Orchestra. Vladimir Spivakov, conductor, violin. Chan Centre at 8pm. Admission \$42/32; students \$29.50/\$22.50; seniors \$40/\$28.50. Call Ticketmaster at 604-280-3311 or Chan Centre 604-822-2697.

SATURDAY, FEB. 23

Concert

Vancouver Symphony Orchestra. Vladimir Spivakov, conductor, violin. Chan Centre at 8pm. Admission \$42/32; students \$29.50/\$22.50; seniors \$40/\$28.50. Call Ticketmaster at 604-280-3311 or Chan Centre 604-822-2697.

Vancouver Institute Lecture

Art, Politics And The Free Expression Of Opinion. Shirley Tepper, Director, Canada Council for the Arts. IRC #2 at 2:15pm. Call 604-822-8580.

NOTICES

Participants Needed

Stressed Clerical Workers — we know you're out there. We need your input for our study. Sharing your story can help make a difference and can earn you a small gift. Call 604-822-9199.

Laser Hair Removal

Require volunteers for two laser hair removal trials. If you are interested, please contact Dr. Jerry Shapiro the UBC Division of Dermatology. E-mail etan@vanhosp.bc.ca. Call 604-875-4747.

Morris And Helen Belkin Satellite Art Gallery

Andrea Fraser. 555 Hamilton St. Continues to March 3. Wednesday through Sunday, 12-5pm. Call 604-822-2759.

Positive Space Resource People Wanted

Help make UBC a positive space for its lesbian, gay, bisexual, queer, transgendered, and two-spirited community. Workshops for volunteer resource people will be offered in February. To register or for more information, e-mail positive.space@ubc.ca or visit www.positivespace.ubc.ca. Call 604-822-4859.

Participants Needed

The Adult Development Lab at UBC is looking for adults interested in volunteering for (a) a focus group study looking at what it means to be your age today and/or (b) studies on visual memory and visual abilities. Call Pam at 604-822-5250 for more information.

STAR Breast Cancer Prevention Study

Volunteers are needed to participate in a breast cancer prevention trial being conducted at UBC Hospital. Two drugs, Raloxifene (Evista) and Tamoxifen, are being studied to see which works better at preventing

calendar

FEBRUARY 10 THROUGH FEBRUARY 23

IAM Colloquia Seminar

Flag Flapping, Rivulet Flow And Partial Singular Integrodifferential Equation. Alistair Fitt, U of Southampton. LSK 301 from 3-4pm. Refreshments served 2:40pm in LSK 306. To register visit www.iam.ubc.ca; E-mail iam@iam.ubc.ca or call 604-822-4584.

TUESDAY, FEB. 12

Seminar

Ras Regulation Of Signalling Pathways Involved In Cell Survival And Proliferation. Julian Downard, Imperial Cancer Research Fund, UK. Westbrook 100 from 12:30-1:30pm. Call 604-822-3308.

Green College Speaker Series

When The Bottom Line Is The Party Line: Media And Elusive Democracy In China. Yuezhi Zhao, School of Communication, SFU. Green College at 5pm. Reception, Coach House from 6-6:30pm. Call 604-822-1878.

VST Lecture Series

Jesus' Parables As Interruptions Of Violence. Rev. Harry Maier. VST Epiphany Chapel from 5:30-7:30pm. Call 604-822-9815.

Panel Discussion

Sex and Sade. Emily Carr Institute at Granville Island from 7:30-9pm. Refreshments. Call 604-822-4253.

Reading

Poetic Persuasions. Christy Ann Conlin; Kevin Chong. Green College at 8pm. Call 604-822-1878.

WEDNESDAY, FEB. 13

Young Alumni Seminar

For The Love Of Money. Neil Anderson, investment adviser, HSBC. Robson Square C-680 from 7:30-9am. \$10. Continental breakfast. To register visit www.alumni.ubc.ca or call 604-822-3313.

Seminar OBST 506

Acute Effects Of Ovarian Steroids On Insulin Lipids And Lipoproteins In Women With Polycystic Ovary Syndrome. Dr. Anthony Cheung, BC's Women's Hosp. 2N35 from 2-3pm. Call 604-875-3108.

Applied Ethics Colloquium Series

Procreative Freedom And Enhancement. Nicholas Agar, Philosophy. Uvic. Angus 213 from 2-4pm. Call 604-822-8625.

Green College Special Lecture

The Culture Of Displacement And The Questions Of Identity. Fernando de Toro, Dean, Graduate Studies, U of Manitoba. Green College at 5pm. Call 604-822-1878.

Lecture

The Prince Of Wales And The First Nations: Unsettled Arts In An Age Of Settlement. Ruth Phillips, MOA. Green College at 7:30pm. Call 604-822-1878.

THURSDAY, FEB. 14

Concert

UBC Symphonic Wind Ensemble. Chan Centre at 12 noon. Call 604-822-5574.

Lecture in Science Studies

The Social History Of Time Machines. Simon Schaffer, History and Philosophy of Science, Cambridge. Buchanan A-102 from 12 noon-1pm. Call 604-822-3292.

Seminar

Social Support And Heart Disease. Dr. Wolfgang Linden. Library Processing Centre 424 at 12:30pm. Call 604-822-9205.

Lecture

What's That Smell? Queer Subcultures In The 1990s. Judith Halberstam, Literature, UC San Diego. Green College Coach House from 3-4:15pm. Reception to follow at Graham House. Call 604-822-4253.

CRC Literature/Christianity And Culture Lecture

The Medieval Magdalen. Katherine Jansen, Catholic U of America. BUTO 599 from 4:30-6pm. E-mail mvessey@interchange.ubc.ca or call 604-822-4095.

Science And Society Lecture

The Scope Of Experiment: Microcosms Microhistories and Models. Simon Schaffer, History and Philosophy of Science, Cambridge U. Green College at 7:30pm. Call 604-822-1878.

Concert

Instrumental Collegium Musicum. Music Recital Hall at 8pm. Call 604-822-5574.

FRIDAY, FEB. 15

Active Living Adult Hockey

Fundamentals For Basic Or Advanced Basic Level Players. Winter Sports Centre 104. Continues to Mar. 24. For times call 604-822-3688.

Friday Grand Rounds Lecture

Does Experiment Trump Observation? Comparing The Efficacy And Effectiveness Of Therapy. Adrian Levy, Health Care and Epidemiology. Mather 253 from 9-10am. Call 604-822-2772.

Fisheries Centre Weekly Seminar

Climate-Induced Variation In Survival Of Salmonids On The West Coast Of North America During Fresh Water And Marine Life Stages. Bruce Ward, Donald McCubbing, In-Stream Fisheries Consultants, Vancouver; David Welch, Fisheries and Oceans Canada, Nanaimo. Hut B8, Ralf Yourque Room from 11am-12:30pm. Call 604-822-2731.

Religion Literature And Art Program Lecture

Metaphysics And Art. Professor Piotr Jaroszynski, Lublin Catholic U; Ives R. Simon, Simon Institute. BUTO 599

CALENDAR POLICY AND DEADLINES

The *UBC Reports* Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland. Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310 - 6251 Cecil Green Park Road, Vancouver BC, V6T 1Z1. Phone: 604-UBC-info (604-822-4636). Fax: 604-822-2684. An electronic form is available at www.publicaffairs.ubc.ca. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space. Deadline for the Feb. 21 issue of *UBC Reports*—which covers the period Feb. 24 to March 9—is noon, Feb. 12.

breast cancer. Women must be postmenopausal and have an increased risk for developing breast cancer. Interested women should call Lynn or Janet at 604-822-7997.

UBC Research

Boys between seven and nine (with or without ADHD) and their mothers are needed for a study. Mothers receive \$20 and children get a UBC t-shirt. If interested, please call 604-822-9037.

UBC Zen Society

Zazen (sitting meditation) each Tuesday at the Asian Centre Tea Gallery from 1-1:50pm while classes are in session. Call 604-822-2573.

Participants Wanted

Would you like to share your story about your experience with health care professionals? We are conducting a study of patient perceptions about helpful and unhelpful communications in fibromyalgia. In order to learn more about what makes communication effective, we are asking individuals who have had Type 2 Diabetes for at least five years to participate in our study. Participation will involve one or two interviews in a location convenient to you, and possibly a focus group interview at a later time. The interviews usually take about an hour. All information will be kept confidential. If you would like more information about the study, please e-mail andrea_con@hotmail.com or call Andrea Con, project co-ordinator 604-822-8070.

Legal Clinic Open

UBC Law Students' Legal Advice Program (LSLAP) runs clinics all over the Lower Mainland. LSLAP has been working in the community for over thirty years and is currently British Columbia's second largest legal aid organization. For more information about the program, visit www.lslap.bc.ca or call 604-822-5723.

Volunteer Paid Participants Needed

CroMedica Prime is a Phase One research company located in Vancouver General Hospital. Our research studies require that volunteers take one or more doses of an investigational medication. We are currently looking for healthy volunteers, male/female, non-smoking aged 18 and older and not taking any medications. Volunteers are financially compensated upon completion of a study. If you are interested please call our Research Recruitment Coordinator, Monday to Friday between 9am-5pm at 604-875-5122 or e-mail volunteers@cromedica.com.

Sexual Arousal Study

Researchers at the Psychology Dept. are conducting a study examining sexual functioning in women. The aim of this study is to help women who experience sexual difficulties. Your confidentiality will be assured. All participants will receive a detailed sexual psychophysiological profile for their participation. If you are a healthy, heterosexual, premenopausal woman who is currently in a relationship, please call 604-822-2952.

Habitat For Humanity UBC

Is looking for volunteers. Come help out on the construction site and build homes for low-income families — no skills required. For more information and to register for an orientation, e-mail habitat@vancouver.net or call 604-681-5618.

Parents With Toddlers

Did you know your child is a word-learning expert? We are looking for children (one to five years old) and their parent(s) to participate in language studies in the Psychology Dept. at UBC. You and your child, and a trained researcher will play a word

game using puppets and toys or pictures. As you might imagine, children find these word games a lot of fun. During your visit, you will remain with your child at all times. If you (or someone you know) might be interested in bringing your child for a 30-minute visit to our research playroom, please contact Dr. Hall's Language Development Centre at 604-822-9294.

Participants Wanted

Are you a postmenopausal woman with Type Two diabetes interested in beginning an exercise program? St. Paul's Hospital Healthy Heart Program and Diabetes Centre are recruiting participants, who do not smoke or use insulin, for a research project on the effect of exercise on diabetes for women. Call Darcy Cuff 604-806-8601.

Sexual Assault Research

The Anxiety and Fear Laboratory in the Dept. of Psychology requires female volunteers who have experienced unwanted sexual activity, to participate in a research project. If you have ever had sex with someone when you didn't want to, because the other person continued the event when you said no, forced or threatened to force you, or because you were given alcohol or drugs, and you would be interested in helping us with our research, please call 604-822-9028. Confidentiality and privacy protected.

Museum Of Anthropology Exhibition

The Spirit Of Islam: Experiencing Islam Through Calligraphy. Continues to May 12. Dempsey Bob: The Art Goes Back To The Stories. MOA at 11am. Continues to Dec. 31. A Connoisseur's Collection: Chinese Ceramics From The Victor Shaw Donation. Continues to Feb. 28. Continuing Traditions. Continues to April 30. Winter hours Wed.-Sun. 11am-5pm, Tues. to 9pm (5-9pm free). Call 604-822-5087.

AMS Rentsline

Helping students find housing since

1993, the AMS Rentsline is UBC's off-campus housing registry. This service gives students access to hundreds of rental listings, and landlords access to thousands of students looking for housing. You can call the Rentsline from any touchtone phone 24 hours a day, 365 days a year. Call 604-714-4848.

Twin Research

Are you, or do you know a female adult twin? We are studying the relationship types of fraternal and identical female twins. If you can help by completing some questionnaires and being interviewed about relationships, please e-mail: tmacbeth@cortex.psych.ubc.ca or call Tannis MacBeth, Psychology 604-822-4826.

Parents With Babies

Have you ever wondered how babies learn to talk? Help us find out. We are looking for parents with babies between four to 21 months of age, including babies raised in a bilingual home, to participate in language development studies. If you are interested in bringing your baby for a one-hour visit, please call Prof. Janet Werker's Infant Studies Centre, Psychology, 604-822-6408 (ask for Kate).

Faculty Women's Club

The Faculty Women's Club brings together women connected to the university either through their work or that of their spouses, for social activities and lectures. The main purpose of the Faculty Women's Club is to raise funds for student scholarships. There are 19 different interest groups within the club, ranging from art appreciation and bridge to hiking. Do come and join us. Call Elizabeth Towers, president 604-224-5877 or Gwyneth Westwick, membership 604-263-6612.

Chronic Fatigue Syndrome (CFS) Research

Infectious Diseases researchers from VGH seek volunteers diagnosed medically with CFS to participate in a study about managing symptoms. Call Kenna Sleight 604-875-5555 ext. 62366.

No Calendar.

UBC Reports will no longer publish the Calendar as of March when it changes from a biweekly to a monthly publication. The last UBC Reports Calendar will appear in the Feb. 21 issue.

Members of the campus community are welcome to submit events information to Athletics and Recreation's LiveAtUBC on-line calendar at www.liveat.ubc.ca.

Public Affairs is currently working with other campus groups to consider improvements in how the university's events listings can be accessed on-line.

HONOURS AND AWARDS DEADLINES

- MANNING INNOVATION AWARDS: www.manningawards.ca: FEB. 15
- ORDER OF BRITISH COLUMBIA: www.protocol.gov.bc.ca/obc/about_the.html: MARCH 10
- HERZBERG MEMORIAL PRIZE AND FELLOWSHIP: www.nrc.ca/corporate/english/research/ghm.html: NEW DEADLINE TBA BY NRC

For assistance with applications, call the Office of the Vice-President, Research, at 604-822-0234.

The Iona Building at Vancouver School of Theology on the UBC campus. Photo: Perry Danforth

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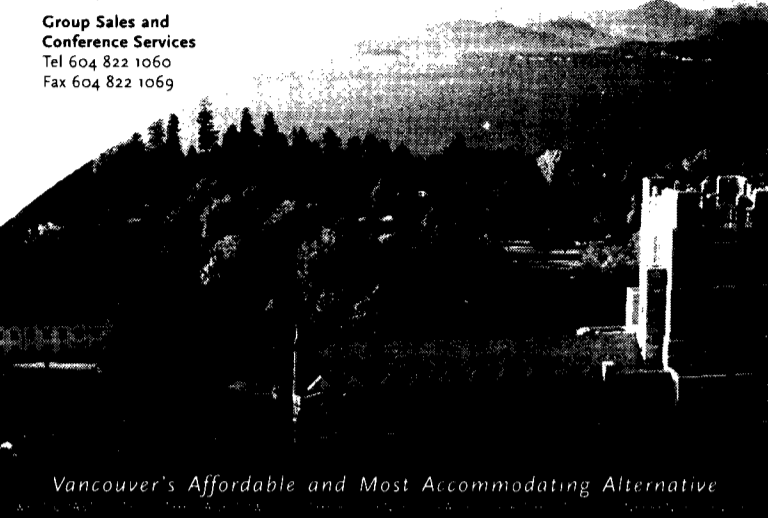
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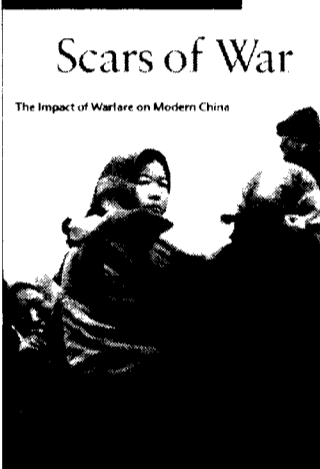


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— Carol Gluck, Columbia University


Diana Lary, Professor of History and Director, Centre for Chinese Research, UBC
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No Internet access? Pick up a copy of the survey weekdays in the SUB room 208 between 11:30am and 2:30pm, from the TREK Program Office at 2210 West Mall between 8:30am and 4:30pm or have a survey faxed to you by calling 827-TREK.

Survey deadline Feb. 14. Prize draw March 4.

Together we will make UBC a better place to live, work and learn.

School mourns loss of music makers

*Each created a legacy both
on campus and in wider
community*

IN MEMORIAM

by Laurie Townsend Music

THE UBC SCHOOL OF MUSIC and larger musical community are mourning the passing of professors emeriti Elliot Weisgarber and Cortland Hultberg and a promising young alumnus, Wallace Leung.

Weisgarber (Dec. 5, 1919 - Dec. 31, 2001) and Hultberg (Sept. 5, 1931 - Jan. 3, 2002) joined the Dept. of Music in 1959-60 as UBC was just beginning to grant degrees in Music.

Elliot Weisgarber was a clarinetist, composer and ethnomusicologist. His study of Japanese music and in particular of the shakuhachi, a traditional bamboo flute, eventually led UBC to offer courses in ethnomusicology, one of the areas for which the school is now recognized internationally.

His students include Wes Foster, now principal clarinet of the Vancouver Symphony and well-known Canadian composers Michael Conway Baker, Neil Currie and Frederick Schipizky.

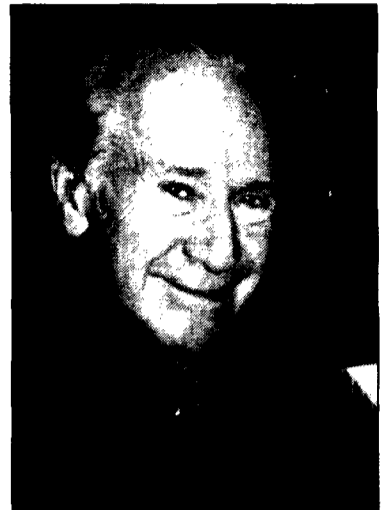
Choosing a different path in an era of sometimes dissonant experimentation, Weisgarber's compositions strove for beauty and clarity. His cheerful personality and interest in world travels were also reflected in his music.

Weisgarber was a friend and mentor to many colleagues and was involved in music making at all levels. He wrote studies for clarinet, spent a term conducting the Vancouver Youth Orchestra and befriended conductor Clyde Mitchell and his West Coast Symphony. At 82, he still had an opera he wanted to write when his congestive heart failure condition worsened late in 2001.

Cortland Hultberg taught theory and composition, established the Electronic Music Studio in 1965 and managed the audio recording facilities for many years. He founded the UBC Chamber Singers and the Phoenix Chamber Choir. Both of these chamber choirs won many national and international awards under his direction.

As an educator, Hultberg was much loved by students. A quirky and engaging style earned his classes a "not to be missed" standing and a teaching award from the university. To illustrate techniques used by composers such as John Cage, his lectures included elements of chance such as taking a book from a stack, opening it at random to read a passage aloud while making sounds with classroom equipment.

Hultberg was a man with a gentle manner, an insatiable curiosity, big bushy eyebrows and, more often than not, a twinkle in his eye.



Elliot Weisgarber, 1919-2001



Cortland Hultberg, 1931-2002

Those eyebrows rising or falling could tell his choir members, theory and composition students alike his approval or disappointment in their efforts.

Hundreds of his students now teach in classrooms and sing in choirs. Some have become prominent composers such as Alexina Louie, Barry Truax, Lloyd Burritt and Robert Pritchard. Others work in the recording industry or, like Morna Edmonson and Ramona Luengen, have gone on to direct award-winning choirs of their own. None will forget the school spirit and fun generated by Cortland Hultberg and his Chamber Singers annual Christmas concert complete with modulating carols and disappearing tree.

Wallace Leung graduated with a BMus in 1992.

With several other Music graduates he founded the Little Chamber Music Series That Could. They have commissioned and given the premieres of works by many UBC alumni.

He also founded the Helicon Ensemble and was music director at the Delta Youth Orchestra, Fraser Valley Symphony, Gateway Theatre and Vancouver Philharmonic Orchestra. Recently he was appointed music director of the Prince George Symphony.

On Dec. 21, at age 33, he was hospitalized for viral encephalitis and died of heart failure on Jan. 18.

Laurie Townsend is the School of Music's Communications and Concert Manager.

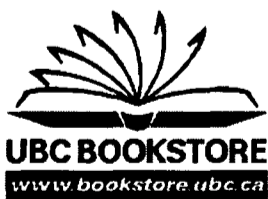
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THE UNIVERSITY OF BRITISH COLUMBIA

UBC Draft Policy: Research and Other Studies Involving Human Subjects

To Members of the UBC Community

A DRAFT POLICY entitled "Research and Other Studies Involving Human Subjects" was presented to the Board of Governors for information and review in January of 2002. The draft policy has been amended based on feedback received to date as is set forth in its entirety below. Accompanying Procedures are proposed to be passed by the President and are also set forth below. Feedback from the campus community is requested and may be submitted by e-mail to Marcia Lang at mlang@exchange.ubc.ca. Please provide your feedback by Feb. 21, 2002.

Subject to feedback from the campus community the proposed policy will be submitted to the Board of Governors with a request for final approval in March of 2002.

Responsible Vice President

Vice President Research

Purpose

THE UNIVERSITY RECOGNIZES that the use of human subjects is indispensable for progress in many areas of research and other studies. However, all research involving human subjects should be conducted ethically in ways that protect individual subjects and respect their dignity and rights.

This policy is intended to create a research environment in which human subjects are protected, and to ensure responsibilities are discharged according to the relevant ethical standards, by promoting awareness of research ethics amongst faculty, staff and students, establishing an independent research ethics review process, and putting in place mechanisms for the protection of human subjects in ongoing research including monitoring.

It is the intention of the University to ensure that, where a human subject is involved in research or other study:

- respect is shown for the dignity of research subjects;
- the research has scientific value and the research methodology is valid;
- selection of subjects is fair;
- vulnerable persons are protected against abuse, exploitation and discrimination;
- standards for privacy and confidentiality are observed with respect to access, control and dissemination of personal information;
- the ethics review process is fair and effectively independent of the University's other academic and administrative decision-making processes;
- foreseeable harms will not outweigh the anticipated benefits;
- research subjects will not be subjected to unnecessary risks of harm, and their participation in research must be essential to achieving scientifically and societally important aims that cannot be realized without the participation of human subjects;
- actual and potential conflict of interest has been made known and dealt with appropriately according to the University's policies on Conflict of Interest and other relevant conflict of interest statements.

Policy

This policy applies to all research involving human subjects in any of the following circumstances:

- conducted by members or associated members of the University acting in their University capacity. Members or associated members of the University include faculty, emeritus faculty, staff, sessional instructors, clinical professors, administrators, students, visiting or adjunct scholars, fellows, paid or unpaid associates and any other person associated with research at the University; or
- conducted at the University; or
- administered by the University.

Research involving human subjects is defined as any systemic investigation (including pilot studies, exploratory studies, and course based assignments) to establish facts, principles or generalizable knowledge which involves:

- living human subjects
 - human remains, cadavers, tissues, biological fluids, embryos or fetuses.
- Notwithstanding the above, research involving human subjects does not include:
- research about a living individual involved in the public arena, or about an artist, based exclusively on publicly available information, documents, records, works, performances, archival materials or third-party interviews. Such research only requires an ethics review if the subject is approached directly for interviews or for access to private papers;
 - quality assurance studies, performance reviews or testing within normal educational requirements.

The University will regulate the conduct of all research involving human subjects in accordance with the most current version of the *Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans* and, where applicable to specific research, other relevant national and international standards.

No research involving human subjects may be undertaken by anyone associated with the University, nor may University facilities or services be used, nor may funds for such purposes be accepted, nor accounts opened by Financial Services unless the research has received formal ethical approval by one of the University Research Ethics Boards before the research begins and the research has received a Certificate of Approval.

Academic units in which research involving human subjects is conducted are to ensure that those who conduct, and those who are being trained to conduct, such research understand their responsibilities for the ethical conduct of such research and receive appropriate training in the skills necessary for the ethical conduct of such research. This includes awareness of policies and other relevant standards (e.g., legal, professional, institutional) pertinent to the particular area of research.

Draft Procedures

Procedures:

PURSUANT TO POLICY #1: Administration of Policies, "Procedures may be amended by the President, provided the new procedures conform to the approved policy. Such amendments are reported at the next meeting of the Board of Governors and are incorporated in the next publication of the UBC Policy Handbook."

Research Ethics Boards

ALL RESEARCH INVOLVING human subjects must be reviewed by one of the University Research Ethic Boards (REB) before the research begins. The REBs are:

- the Behavioural Research Ethics Board;
- the Clinical Research Ethics Board;
- the UBC/Providence Research Ethics Board;
- any other ethical review board that has been mandated by the Vice President Research.

The procedure for submitting a Protocol for consideration by an REB is outlined in Policy #87 - *Research*. The correct REB will depend on the type and location of the research being conducted.

REBs must determine whether research proposals are acceptable on ethical grounds and whether the research complies with the *Tri-Council Policy Statement: Ethical Conduct for Research Involving Human Subjects* and, where applicable to specific research, other relevant national and international standards.

The appropriate REB must read and evaluate each complete proposal and decide for the relevant proposed or ongoing research whether to:

- approve it;
- require modifications to it;
- reject it; or
- terminate it.

When an REB is considering a negative decision, it should provide the researcher with its reasons for doing so and give the researcher an opportunity to reply before making a final decision.

Research that has been approved will receive a Certificate of Approval.

The REBS will meet regularly, face to face, to review proposed research not delegated to Categorical Review (discussed below). Minutes of all REB meetings will be prepared and maintained by the REBS and be available to the University and to the researchers, funding agencies and other relevant authorities involved in the research. REBS should make available to researchers their standard operating procedures. REBS must convey in writing their decisions and the reasons for those decisions.

Categorical Review

AT THE DISCRETION of the REB Chair a proposal may undergo a Categorical (expedited) Review. In this case the REB Chair will review the proposal for ethical acceptability and a Certificate of Approval will be issued when appropriate. Most research proposals will be reviewed by the full REB, but Categorical Review may be possible for the following situations:

- a new application with minimal risk to subjects;
- research involving patient records by hospital personnel;
- review of modifications to a research proposal, that has already been approved;
- renewal of time-limited approval where there is little or no change in ongoing research;
- affirmation that provisos laid down by the REB as a condition of approval have been met.

The Categorical Review decisions of the Chair will be reported to and ratified by the full REB each month.

Term of Approval

PROVIDED THERE IS NO MODIFICATION of procedures, a completed Certificate of Approval will be valid for ONE YEAR at the end of which time (or earlier if any modification is introduced) a new protocol must be submitted and the procedures re-examined by the REB.

Reconsideration and Appeal Procedures

A RESEARCHER MAY REQUEST reconsideration of a decision made by the REB. Upon such request the REB has an obligation to reconsider its decisions regarding the research proposal again.

If the REB and the researcher cannot reach an agreement on a decision reconsideration the researcher can request a review by the UBC Research Ethics Appeal Board (REAB). The decision of the REB cannot be overridden except by formal appeal to the REAB. The REAB is an independent ethical review board appointed by the Vice President Research. The composition, terms of membership and quorum requirements must satisfy the REB requirements outlined below. No individual person can be a member of an REB and the REAB at the same time.

Research Ethics Boards and their Membership

MEETINGS OF THE REB will comprise at least five members, including both men and women, of whom:

- at least two members have broad expertise in the methods or in the areas of research that are covered by the REB;
- at least one member is knowledgeable in ethics;
- for biomedical research, at least one member is knowledgeable in the relevant law; this is advisable but not mandatory for other areas of research; and
- at least one member has no affiliation with the institution, but is recruited from the community served by the University.

Each REB will have sufficient members to ensure that the ethical review process has input from a multi-disciplinary membership with relevant expertise and experience. All members of the University community, including students, are eligible to serve. A quorum will comprise a minimum of five members with knowledge of the stipulated responsibilities.

Appointments to the REBS will be made by the Vice President Research with guidance of the Deans of the Faculties concerned. It will be normal to make an initial appointment for three years, with the possibility of one renewal for a further three-year term. Terms of individual members should be staggered to ensure continuity of the REB expertise.

The Vice President Research will appoint the Chair of each REB, normally from amongst the membership of the REB, for a three-year term as Chair renewable for a further three years. On an annual basis the Vice President Research will appoint an Associate Chair of the REB, who can chair the meetings and make decisions in the absence of the Chair.

All members of the REB will be expected to lodge with the Chair of the REB an annual statement of any potential conflict of interest relevant to REB matters.

The REBS report to the Vice President Research. REBS should provide annual reports to the Vice President Research on their activities and other matters requested by the Vice President Research.

Education

ACADEMIC UNITS should be able to demonstrate how they have addressed the ethical training of researchers in their units, in the curriculum for students, and in other forms appropriate for faculty and staff.

Accounting for health-care policy

Debate over private or public funding is clouding the real issues, suggests health-care economics expert

by Prof. Robert Evans Economics

TWO FUNDAMENTAL accounting relationships — iron laws of finance — must be clearly understood if one is to make sense of health-care policy debates.

The first is that every dollar of expenditure is simultaneously and necessarily a dollar of income for someone. The second is that while the residents of a country must collectively pay for their health-care system, the share contributed by each can vary widely depending on the way revenues are raised.

Weaker cost controls imply greater sales opportunities for providers and financiers of care. High administration costs are the sales of the private insurance industry. The monumentally expensive and inefficient American system is far and away the most effective generator of incomes on the planet, and the recipients of those incomes

stand four-square against any real reform.

As citizens we may want effective health care, efficiently provided to those who need it. But the hard accounting reality is that all expenditure — essential, useful, useless, or harmful — is equally effective in generating income.

And that is why, no matter what the problem, the solution that emerges from the health-care sector always begins with "More money is needed to..."

Money contributed by whom? Tax finance requires people to contribute roughly in proportion to their incomes, independent of their use of care. Private financing detaches contributions from income and attaches them to use.

The healthy and wealthy win and the unhealthy and unhealthy lose. Insofar as ability to pay becomes a condition of access to higher quality or more timely care,

private financing also permits the better-off to enjoy a higher standard without having to support, via taxation, a similar standard for others.

The conflict of interest is real and unavoidable. There is no mystery as to why the issue never dies.

The need to present private interests as public benefits gives rise to "zombies" — ideas or claims that are intellectually dead but will not stay buried, no matter how many times they are refuted.

They have just enough superficial plausibility to attract attention from those unfamiliar with the logic or the counter-evidence. Private payment will discourage unnecessary care-seeking, for example, or encourage healthy lifestyles, or "supplement" rather than substitute for taxation.

Stuff and nonsense, but often an effective distraction from the real issues.

The real issues are not how best to raise the money, but how much and for what? And that's a much tougher question.

Private capital markets demand "compounding earnings," mathematically irreconcilable with global cost containment (see iron law number one).

Managing for effective health care is very difficult; firms have found it more profitable to concentrate on patient selection, to offload costs onto the public sector ("privatize the profits, socialize the losses"), and to seek out opportunities to expand private charges. Competitive pressures have also led to some spectacular fraud cases.

In the United States, where prescription drugs are now advertised directly to the public, the industry spends twice as much on advertising as on research.

Everywhere, new, high cost drugs replace older cheaper ones;

FORUM

sometimes they are better but for many patients they provide the same therapeutic effect at higher prices — and profits.

To the extent that "public expectations" are being created (at considerable expense) within the health-care sector itself, budgeting to meet them is chasing a will o' the wisp into a fiscal marsh.

Don't go there.

A professor of Economics and faculty member at the UBC Centre for Health Services and Policy Research, Robert Evans is widely regarded as the single most influential academic in Canadian health-care policy development.

AIR QUALITY TIPS...

Let's clear the air

Instead of using your car, walk to the store. Do an errand on your bicycle. Take the bus to work, or carpool it.



ubc reports

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Tues. April 23	May 2	48/07
Tues. May 28	June 6	48/8
Mon. June 24	July 4	48/9
Tues. July 23	Aug. 1	48/10
Mon. Aug. 26	Sept. 5	48/11
Tues. Sept. 24	Oct. 3	48/12
Mon. Oct. 29	Nov. 7	48/13
Mon. Nov. 26	Dec. 5	48/14

* This issue will contain a calendar of events and classified ads. Issues following will not.

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Do you know someone who volunteers on campus? Or a volunteer program on campus?

Every year the university recognizes the enormous work performed by volunteers at UBC and UBC people who volunteer. A volunteer recognition event is planned for April 16 at Cecil Green Park House.

If you know of volunteers working on campus, please e-mail Eilis Courtney, Ceremonies Office at eilis.courtney@ubc.ca by Feb. 28

THE UNIVERSITY OF BRITISH COLUMBIA

DIGEST

Women of distinction

The YWCA of Vancouver is seeking nominations for the 19th Annual Women of Distinction Awards.

The awards celebrate women whose outstanding activities and achievements contribute to the health and future of the community.

Categories include: Arts and Culture; Communications and Information Technology; Entrepreneur/Innovator; Science, Research and Medicine; Social Action; Young Woman of Distinction; Health and Wellness; Management, the Profession and Trades; and Education, Training and Development.

Previous award recipients from UBC include Women's Resources Centre director Ruth Sigal and QLT founder Microbiology Prof. Emeritus Julia Levy.

This year UBC is sponsoring the Entrepreneur/Innovator Award.

To nominate an individual call (604) 895-5800 or visit the Web

site at www.ywcavan.org.

Deadline for nominations is March 1. The awards will be presented at a gala dinner on May 16.

Belkin's star satellite

The Morris and Helen Belkin Art Gallery officially opened its downtown location at 555 Hamilton St. recently.

Housed in the former home of the Contemporary Art Gallery, the Belkin Satellite has been renovated with a generous grant from the Vancouver Foundation.

The gallery launches with *Suite*, a multi-media exhibit of photography, painting and sculpture by UBC Master of Fine Arts students Sean Alward, Gavin Hipkins, Tim Lee, Natasha McHardy and Ann Shelton.

Belkin Satellite hours are Wednesday through Sunday, 12 noon - 5 p.m. For more information visit belkin-gallery.ubc.ca

classified

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POINT GREY GUEST HOUSE

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GREEN COLLEGE GUEST HOUSE

Five suites avail. for academic visitors to UBC only. Guests dine with residents and enjoy college life. Daily rate \$60 plus \$14/day for meals Sun-Thurs. Call 604-822-8660 for more information and availability.

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in Kitsilano area, furnished suites or rooms avail. Kitchen facilities, cable TV, telephone. Close to main bus routes, shopping and dining. Weekly and monthly rates avail. www.vancouver-bb.com. Call 604-737-2687.

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TRIUMF HOUSE Guest house with homey, comfortable environment for visitors to UBC and hospital. Located near the hospital. Rates \$40-\$80/night and weekly rates. E-mail housing@triumf.ca or call 604-222-1062.

Accommodation

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Services

UBC FACULTY AND STAFF

Retirement income and financial planning. Edwin Jackson, Certified Financial Planner. Ascot Financial Services Limited. Investments, life insurance, annuities, know-how. Call 604-224-3540.

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Located in the University Village, #228 - 2155 Allison Rd. Dr. Chris Hodgson (physician), for appointment call 604-222-2273 (222-CARE). Dr. Charles Borton (dentist), please call 604-838-6684 (604-83-TOOTH).

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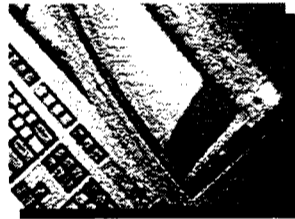
Women aged 50 to 95 who married a second or third time after age 50. Call Laura Hurd Clarke, UBC Family Services 604-822-2589.

No classifieds.

UBC Reports will no longer publish classified ads as of March when it changes from a biweekly to a monthly publication. The last UBC Reports classifieds will appear in the Feb. 21 issue.



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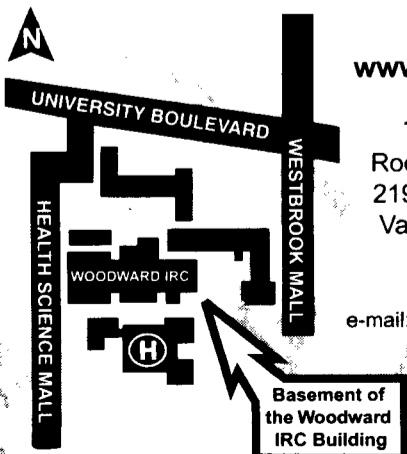
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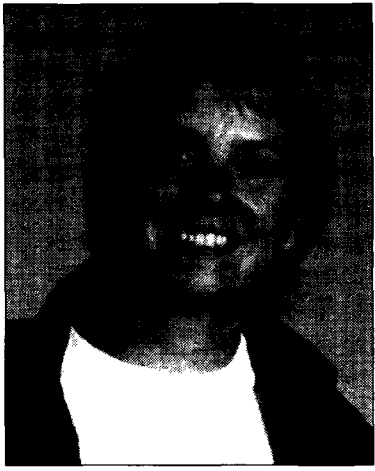
Deadline: for the Feb. 21 issue: 12 noon, Feb. 12.

Enquiries: 604-UBC-INFO (604-822-4636) · Rate: \$16.50 for 35 words or less.

Additional words: 50 cents each. Rate includes GST.

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

Honour Roll



Award-winner Michelle McCaughran

UBC United Way chair **Michelle McCaughran** was recently recognized for organizing the most exceptional employee campaign by the United Way.

McCaughran, an administrator in the School of Audiology and Speech Sciences, was one of two campaign co-ordinators to receive the award.

UBC's 2001 United Way campaign raised more than \$455,800 to support agencies that provide

health care and rehabilitation services, crisis and emergency services, care for seniors, community services, and assistance to families and individuals throughout the Lower Mainland.

A total of 195 volunteers contributed their time to the campaign, including 42 UBC faculty, staff and students who served on the organizing committee.

Allan Tupper has been appointed associate vice-president, Government Relations.

The first person to hold the newly created position, Tupper's responsibilities include communicating UBC's strategic vision to governments; providing the UBC community with timely information about major policy issues, intergovernmental relations and longer term political trends and assisting faculties in their dealings with governments. He will also work to shape UBC's longer term relations with governments and other public bodies and develop effective strategies for communi-

cating UBC positions to governments.

Tupper comes to UBC from the University of Alberta where he was a professor of Political Science and served as the chair of the Political Science Dept., associate dean of Arts, and associate vice-president, Government Relations.

Tupper's teaching and research interests include Canadian politics, western Canadian politics, public policy and public administration.



Susan Calne

Tupper is editor-in-chief of *Canadian Public Administration* and chairs the Centre for Constitutional Studies, an established research institute for the interdisciplinary study of constitutional and human rights issues in Canada and abroad.

Susan Calne, co-ordinator of the Pacific Parkinson's Research Centre, a research and treatment facility within the university, has been appointed a member of the Order of Canada.

A UBC staff member since 1982, Calne is a registered nurse who was instrumental in establishing the Movement Disorders Clinic at UBC and developing teaching and counselling programs for patients with movement disorders.

In 1987 she was the first nurse appointed to the board of the Parkinson Society Canada. She developed a national network of nurses trained to provide specialized care for patients with Parkinson's disease.

Calne and network members developed and published the Parkin-

son's Impact Scale, a tool to measure patients' quality of life.


The author of more than 60 papers, book chapters, patient handbooks and pamphlets, she served as co-ordinator of the XIII International Congress on Parkinson's Disease held in Vancouver in 1999 and co-edited the proceedings.

Geography Prof. **Timothy Oke** is this year's recipient of the American Meteorological Society's (AMS) award for outstanding achievement in Biometeorology.

Oke teaches meteorology and climatology, agricultural and forest climates, urban climates and urban biophysical environments.

He is being honoured by the AMS for his contributions to the teaching, theory and applications of knowledge on the interaction between atmosphere and biological systems.

The AMS is the leading professional society for scientists in the atmospheric and related sciences in the United States.



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PROFILE

Prof. Emeritus Vinod Modi's curiosity makes him anything but retired

Rocket man



his master's degree from the University of Washington and his PhD from Purdue University where he met his wife, Mira.

After graduating, Modi worked for the Cessna Aircraft Co. in Wichita, Kan., where he also earned his private pilot's license. After a couple of years, he accepted an offer to work at UBC, although he admits that he wasn't even sure where Vancouver was at the time.

Modi arrived on campus in 1961. Since then, he has graduated 38 PhD students and 37 master's degree students. Although now officially retired, he still works with a small group of senior students.

"I enjoy being with students, with young creative minds," Modi says. "It's satisfying to show them engineering at work — it's something different than just publishing papers. They're so excited, they don't want to go home at night. I don't want to lose that contact."

Modi's research projects reflect his love of diversity, but all are linked to his interest in how things travel through their environment. His theory that the same laws govern all objects in movement — from rockets in outer space to blood in arteries — has been the key to his many research successes.

Among his many accomplishments, Modi put his theory to work in the early 1960s to collaborate with U.S. doctors to design better artificial hearts for transplant patients.

Looking to the ocean waves for inspiration, Modi designed liquid-filled dampers that, when fitted to the tops of tall buildings, help to reduce vibrations caused by high winds and seismic tremors. His dampers are now used on build-

He is currently developing a snake-like manipulator arm for the space station that will be able to extend and change shape to avoid obstacles. The invention is completely unique to UBC.

Modi has also given longer life to spy satellites by finding a way to control them with natural solar pressure rather than fuel. These \$60-million handy cams can now snap photos for up to three years instead of just 45 days, saving users like the U.S. and Russian governments hundreds of millions of dollars in replacement costs.

For 10 years, Modi has been working on designing better airplane wings by fitting them with horizontal rotating cylinders to generate more lift.

The technique, called moving surface boundary-layer control, allows aircraft to carry larger loads, manoeuvre more easily and land at lower speeds. NASA has built a successful prototype using Modi's design and the U.S. Air Force is planning to incorporate it into its next generation of fighter planes.

He adapted the same kind of cylinder to a transport truck, reducing its aerodynamic drag by 24 per cent. With the promise of enormous savings in fuel costs, General Motors, Nissan and Mazda all have plans to introduce Modi's concept into new truck models.

While people around the world are using his inventions to save time and money, he has never patented any of his designs.

"I grew up with a different kind of philosophy," Modi explains. "I came to the conclusion that knowledge should be free and available to everyone. Like the sun, you don't pay for it although it's a source of life."

At 72, he has no plans to slow down. An avid photographer, he has won several prestigious awards and shown his work in 64 countries including India where, in 1998, an exhibition of his pictures raised \$34,000 for India's national association for the blind.

And his curiosity remains insatiable. He recently set his sights on the open sea, where he hopes to experiment with his rotating cylinder technology on large ocean-going barges.

Even with so many accomplishments, Modi can't pinpoint one research project that holds special significance for him.

"Asking that is like asking a father which child is his favourite," he laughs.

by Michelle Cook staff writer

IN THE DAILY SYMPHONY of life here on Earth, planes rumble overhead leaving behind their wispy trails of vapour. Higher still, satellites beep out their graceful orbits around the planet. Closer to home, transport trucks thunder down highways, buildings sway to the earth's regular rumblings while, in each of us, blood pumps quietly through a beating heart.

Like a conductor, Vinod Modi has had a hand in ensuring that all these movements — big and small — run smoothly.

Modi isn't a maestro, but the musical analogy is an apt one for the professor emeritus of Mechanical Engineering. In both his professional and personal endeavours,

Modi has treated life much like an orchestra and this philosophy is reflected in his diverse research interests. From satellites and airplanes to buildings, trucks and human hearts, Modi has done landmark work.

In an award-filled career spanning more than four decades, Modi's most recent accolade is an honorary membership in the Japanese Rocket Society. He is the first Canadian to be inducted into the 45-year-old learned society. With the honour, Modi joins the ranks of 22 international pioneers who've explored the frontiers of aerodynamics, satellite and rocket science.

Modi's fascination with space began when he was a boy. Born near an airport in Bombay, India, he spent many childhood hours

Among Prof. Emeritus Vinod Modi's design innovations is a better airplane wing aimed at allowing aircraft to carry larger loads and land at lower speeds. Martin Dee photo

watching planes in motion. His curiosity prompted him to enter and win a magazine story contest. As part of his award, he got to take a short plane flight.

"That's when I decided how great it is to fly," Modi recalls. "It was exhilarating and I decided I'd like to be an aeronautical engineer, even though I actually had no idea what that meant."

He went on to study mechanical, electrical and aeronautical engineering in India before moving to the United States. He received

ings in several earthquake-prone countries including Japan.

He and fellow UBC researchers are credited worldwide with solving a 200-year-old mechanics riddle called the "many body problem." Modi considers it a crowning career achievement.

Remaining true to his first love, Modi has devoted much of his research time and imagination to air and space flight, including explorations into how to keep space shuttles and the new international space station stable.