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National fellowships go to three UBC scholars

**8 Impressive**

The work of UBC authors makes a mark

# ubc reports

THE UNIVERSITY OF BRITISH COLUMBIA



UBC Bookstore director Debbie Harvie (left) and University librarian Catherine Quinlan celebrate UBC authors in the bookstore's Faculty Authors section. Some 150 UBC writers published books last year, the largest number ever. They will be recognized at the 11th annual UBC authors' reception which takes place today at the First Nations House of Learning. *Bruce Mason photo*

## More authors than ever honoured at annual event

### Reception honours league of UBC writers, composers

by Bruce Mason staff writer

ISOLATED FROM THE REAL world in an insular ivory tower, populated with eggheads and navel gazers?

The death knell of antiquated university stereotypes will ring in the ears of anyone who scrolls this year's list of UBC authors.

Today 150 UBC authors will be recognized at the 11th annual UBC authors' reception. The reception, for those who were published in 2000, takes place from 4:30-6 p.m. in the Great Hall of the First Nations House of Learning.

"Unprecedented numbers of UBC writers are engaging, informing and entertaining readers on a global scale. Their achievements are a source of considerable pride and interest far beyond our campus," says UBC President Martha Piper.

"As a community of scholars we are well aware of the significance of writing and publishing books," she adds.

"A book is a milestone in an individual career, a product of intense labour and love and a permanent and transportable addition to human knowledge."

Margaret Friesen, co-ordinator of staff training and development for the Library and chair of the authors' reception committee, counts 138 titles in the list of authors from 46 departments, writing in 10 languages.

"There is a growing number of medical books and this year four librarians were published," she says. "Not too surprising are six with 'millennium' or '100 years' in the title."

There are books on drug wars, geriatric medicine, NAFTA, neuroplasticity, and the invention of the passport. UBC authors also produced a dictionary of human geography and a dictionary of Sikh names, one on elementary Korean, another on Balinese music.

Subjects range from urban watershed management to international relations, teenage mothers, great migrations and global environment change. There are studies of First Nations art, creation myth and their place in the nation.

Most prolific was Music Prof. Stephen Chatman with five entries. Unless you count all 26 episodes of the TV series *Weird Homes* produced by Film Asst. Prof. Sharon McGowan.

Law Prof. Wesley Pue put one of the best known events at UBC in perspective by editing *Pepper in*

*Our Eyes: The APEC Affair*.

And yes there is a UBC book on taxes—*Flat Taxes, Dual Taxes, Smart Taxes: Making the Best Choices* by Economics Prof. Jonathan Kesselman.

Overwhelmed? Alexandra Bradley and Denise Dale from the School of Library, Archival and Information Studies have produced two editions of *At Your fingertips!* The first will help you create a home filing system. The second is for small business.

## Brain gain focus of program

### New foundation honours Michael Smith's wish

A NEW HEALTH FOUNDATION that the B.C. government recently contributed \$110-million to create is already accepting applications in its bid to attract and keep the best young brains in science.

The Michael Smith Foundation for Health Research will recognize the legacy of UBC Biotechnology Prof. Emeritus Michael Smith, a Nobel Prize-winner who died last year.

"This is an excellent way to honour Michael Smith and carry on his efforts to attract the best and the brightest young scientists to

## Microbiologist, physicist receive Biely, McDowell

by Hilary Thomson staff writer

SUPERBUGS TO superconductivity is the span of science seen in the work of this year's recipients of UBC's top research prizes.

Microbiology and Immunology Prof. Bob Hancock has been given the Prof. Jacob Biely Faculty Research Prize and Prof. Doug Bonn of the Physics and Astronomy Dept. received the Charles A. McDowell Award for Excellence in Research.

Hancock, who joined UBC in 1978, directs the Centre for Microbial Diseases and Host Defense Research. Studying the antibiotic-resistant mutant superbugs and developing new antibiotics is the focus of his work.

"This prize is a wonderful endorsement by the university of the value of my work," says Hancock, who was recently named a Canada Research Chair. "It's especially gratifying to receive this acknowledgment in the middle of my career—it confirms I'm on the right track."

Hancock examines the way groups of amino acids called cationic peptides interact with bacteria and their potential as a new class of infection-fighting drugs. Cationic peptides attach to bacteria and physically interact with their membranes and DNA to cause their death.

Hancock has licensed his discovery of a peptide production tech-



Microbiology Prof. Bob Hancock



Physics Prof. Doug Bonn

nology and many new improved peptides to Micrologix Biotech Inc., a UBC spin-off company that develops new drugs to kill resistant bacteria or improve the effectiveness of existing antibiotics.

Bonn joined the Faculty of Science in 1994. He has an international reputation for his expertise in high temperature superconductivity and how electrons respond to microwave and infrared radiation.

"I am surprised and delighted to see *Research page 2*

For stories on a few of the many UBC authors, see page 8

year-long effort by the Coalition for Health Research, which represents B.C.'s key provincial teaching hospitals, universities, community health organizations and biotech companies. The coalition is chaired by UBC Pediatrics Prof. Dr. Aubrey Tingle, who will serve as chief executive officer of the foundation.

Foundation directors will include Samarasekera; Pediatrics professor Dr. Judith Hall; Bill Barrable, CEO of the B.C. Transplant Society; Simon Sutcliffe, CEO of the B.C. Cancer Agency; and Bruce Clayman, vice-president of research at SFU.

For more information visit [www.msfr.org](http://www.msfr.org).



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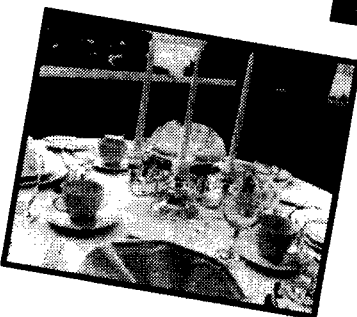
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## Research

*Continued from page 1*

receive this prize—it's an honour to be associated with such a famous name on campus," he says.

Bonn and colleague Physics Prof. Walter Hardy were the first to report accurate measurement of the depth that microwaves penetrate a superconducting crystal. The discovery changed the understanding of the nature of high temperature superconductivity.

High temperature superconductors are materials that can carry electrical current with zero resistance. The term high temperature

is relative, however. Bonn works with materials at about minus 196 C—high by superconductivity standards. To better understand these materials, researchers create them in tiny crystal form.

UBC is a world leader in experiments on these crystals, says Bonn, whose work has implications for high frequency electronics such as cell phone base stations and communications satellites.

The two awards are named for former UBC researchers. Prof. Emeritus Charles McDowell headed UBC's Chemistry Dept. for 26 years. Biely, an international poultry scientist, was a UBC faculty member from 1935-68. He died in 1981.

## ubc reports

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**DIRECTOR, PUBLIC AFFAIRS**  
Scott Macrae  
(scott.macrae@ubc.ca)

**EDITOR/PRODUCTION**  
Janet Ansell  
(janet.ansell@ubc.ca)

**CONTRIBUTORS**  
Bruce Mason  
(bruce.mason@ubc.ca)  
Andy Poon  
(andy.poon@ubc.ca)  
Hilary Thomson  
(hilary.thomson@ubc.ca)

**CALENDAR**  
Natalie Boucher-Lisik  
(natalie.boucher-lisik@ubc.ca)

**PUBLICATIONS MAIL**  
AGREEMENT NUMBER 1689851

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THE UNIVERSITY OF BRITISH COLUMBIA

## Public Information Meeting

on the

## Theological Neighbourhood Plan

for the UBC campus

**TWO SESSIONS: Monday, April 2, 2001, 4 - 6 p.m. or 7-9 p.m.**

Iona Building, Vancouver School of Theology Board Room, 6000 Iona Dr.

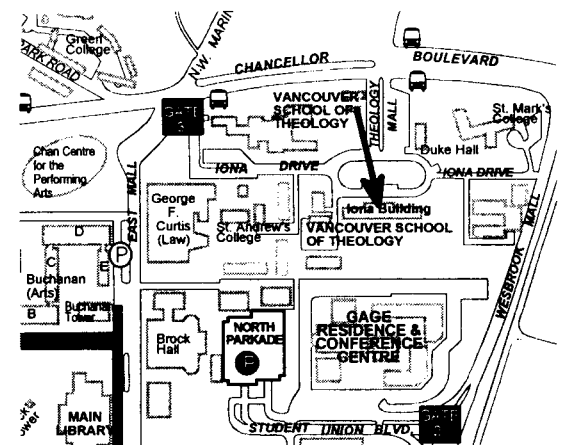
The Official Community Plan (OCP) for the University of British Columbia provides a vision and goals for future development, broad land use designations and objectives for more detailed planning. The purpose of the Neighbourhood Planning process (called Area Planning in the OCP) is to interpret those policies and objectives as a framework for development approval in specific campus areas. This public meeting will focus on the first draft of the Theological Neighbourhood Plan (TNP).

Copies of the draft TNP may be viewed at Campus Planning and Development, 2210 West Mall (UBC) (hours: M-F, 8:30 a.m. - 4:30 p.m.). A draft of the TNP will be available at the meeting.



This event is wheelchair accessible with assistance. Individuals needing wheelchair access, assistive listening devices, captioning, or information on alternate media should contact Gisela Haarbrucker at 822-9560 one week in advance.

Limited FREE PARKING will be available at the front and rear of the Iona Building.



Questions or for further information:

Contact Jim Carruthers, Campus Planning & Development at 822-0469



Editor Chris Petty and assistant editor Shari Ackerman celebrate the arrival of the first issue of *Trek* magazine. Formerly the *UBC Alumni Chronicle*, the magazine offers an in-depth look at some of the projects, researchers, teachers and students that define UBC. *Trek* will also continue to provide information about graduates. Published three times a year by the UBC Alumni Association and distributed free of charge to UBC alumni and friends, *Trek* is also available at news boxes on campus and on-line at [www.alumni.ubc.ca](http://www.alumni.ubc.ca).

Hilary Thomson photo

## Breakfast of champions raises funds for athletes

*Money raised will help keep athletes at home*

by **Bruce Mason** staff writer

THE FINAL RESULTS have been tallied. The 2001 Thunderbird Millennium Breakfast recently raised \$256,000 for athletic scholarships.

The university matched funds to double the contributions of 1,600 supporters who attended the event held at the Vancouver Convention and Exhibition Centre.

Vancouver lawyer Martin Zlotnik, organizer and long-time supporter of UBC Athletics, says, "I'm a believer and a product of the university and its varsity program. We met our goal in a poor economy and will continue to assist student athletes who devote a great deal of time to training and competition."

"Success in athletics works hand-in-hand with academic success to develop strong and well-rounded students and future community leaders," says UBC President Martha Piper. "UBC athletics scholarships deserve the greatest support since they play a key role in enabling our dedicated student athletes to excel."

"It's about more than money," says Athletics director Bob Philip.

"Obviously many people strongly endorse the idea of providing a top education and the best coaching and opportunities for competition. The scholarships help UBC athletes focus on excellence in both their sport and studies."

Vancouver Mayor Philip Owen was the keynote speaker at the event which was first held last year.

Among the athletes who will benefit are members of the university swim teams, 10 of whom represented Canada at the Sydney Olympics.

UBC swimmers also provided the biggest athletic success of the varsity season so far, an unprecedented fourth consecutive national championships.

At the Canadian Inter-university Athletic Union (CIAU) competition the women's team won by a 54.5-point margin over the University of Calgary, while the men won by 131.5 points over Calgary. Toronto finished third on both sides.

UBC's three-day gold medal total at the competition was 12. Both the women's and men's medley relay teams set new national records, while highly touted UBC rookies Kelly Stephanyshyn and Brian Johns led the way individually. Johns earned five gold and one silver medal. Stephanyshyn took home three gold and three silver.

# Three garner top Killams

*Scholars will study topics from ice sheets to outer space*

THREE UBC FACULTY members are among 17 Canadian researchers who will be able to devote the next two years to full-time research and writing in their fields of study as a result of being selected for one of the nation's top research awards.

Earth and Ocean Sciences Prof. Garry Clarke, Botany Prof. Beverley Green and Physics and Astronomy Prof. Harvey Richer have received Killam Research Fellowships for 2001.

Clarke says the fellowship will afford him the time to "wire together" large-scale computer programs that describe ice sheets and how they interact with the atmosphere and ocean to affect global climate change.

Clarke aims to shed more light on how ice sheets have and will affect the earth's climate—a study

made all the more important in light of the current greenhouse effect.

Green plans to exploit an exciting breakthrough made in her lab in 1998. Green and colleagues beat out five other research teams worldwide to discover a new type of gene organization in the chloroplasts of dinoflagellates, a form of algae.

Dinoflagellates make a major contribution to photosynthesis in the oceans, but are often ignored except when certain strains produce toxic blooms or red tides.

"This is a classic example of curiosity-driven research that turned in totally unexpected directions," says Green.

Richer leads an international consortium that has successfully vied for more than three per cent

of the available time on the Hubble Space Telescope this year. They are collecting data on white dwarf stars—the burned-out remains of normal stars like the Sun.

By examining the coolest, hence oldest, of the white dwarfs, Richer hopes to be able to better estimate the age of the universe.

In total, 36 Canadian researchers received \$2.5-million in the 33rd annual competition for the Killam Research Fellowships. In addition to this year's new fellows, 19 UBC researchers had their fellowships renewed for a second year.

Administered by the Canada Council for the Arts, the Killam fellowships support research in the humanities, social sciences, natural sciences, health sciences, engineering and interdisciplinary studies.

MORE INFORMATION  
visit [www.canadacouncil.ca](http://www.canadacouncil.ca)

## Stellar scientists to speak

NINE OF THE TOP Canadian women scientists in the world will pay tribute to the legacy of the late Prof. Michael Smith in a public symposium to be held at UBC on April 7.

Called Women at the Frontier of Excellence (sic), the event honours the vision and support of Smith who donated a portion of his 1993 Nobel Prize award to the Society for Canadian Women In Science and Technology (SCWIST).

The endowment enables the organization to sponsor mentorship and outreach programs aimed at encouraging women of all ages to follow a career path in science or technology.

"Michael had a vision that Canadian women can and will shape the future of science and technology," says Psychiatry Asst. Prof. Jane Roskams, chair of the local organizing committee. "Bringing these eminent scientists together to share their knowledge with the public and students is one way we can build on that vision."

The symposium is hailed by some on campus as the Lillith Fair of science because, like the popular concert series, it is the first-ever exclusive gathering of women who are stars in their field. Speakers come from Canada, the US and the UK and include several UBC alumni.

Presentations range from theoretical physics to cancer research and brain development.

"These people are world leaders in their field and impassioned about their work—you couldn't ask for better models for women considering a career in science or technology," says Roskams.

Speakers include McMaster University Physics and Astronomy Prof. Catherine Kallin, a UBC alumna who specializes in superconductivity.

Originally from Grand Forks, B.C., Kallin grew up in foster homes in Vancouver. She entered

the science program at Vancouver Community College and then transferred to UBC.

Kallin's research has been recognized with some of science's premier fellowships.

Princeton University Molecular Biology Prof. Shirley Tilghman studies the genome or complete genetic code of mammals.

Raised in Vancouver, Tilghman was one of the youngest members named to the US National Academy of Sciences. In 2000 she was named Senior Women Scientist of the Year by the American Society for Cell Biology.

Other speakers include Geraldine Kenney-Wallace, Julia Levy, and Claire Tomlin.

Students from high schools in the Lower Mainland and beyond will attend. Speakers will also make presentations at local Vancouver high schools and host UBC departments.

The symposium takes place from 8 a.m. to 6 p.m. at the Wesbrook Building, lecture hall 100. Admission is free for students with ID; \$15 for registrants and \$20 at the door.

MORE INFORMATION  
[www.excellence.org](http://www.excellence.org)

## UBC earns strong credit rating

STRONG STUDENT DEMAND, an excellent reputation as one of the nation's leading research universities, a healthy financial position and consistent provincial funding are among the reasons cited by a leading credit rating service in assigning a strong investor grade rating to UBC.

The university has received Aa3 issuer rating from New York-based Moody's Investors Service, one of the world's leading global credit rating, research and risk analysis firms.

"It is a wonderful credit rating for the university," says UBC Treasurer Byron Braley. "The investor grade rating means that the cost of borrowing will be that much more economical for UBC."

UBC joins a list of top North American universities on par with such institutions as the University of California rated by Moody's. Recently, Moody's also

rated University of Toronto.

"What this means is that there is another tool to enable the Trek mission," says Braley. "A future bond issue will allow us to bring financial resources to bear in the most economical way when it is called for to advance the strategic objectives of UBC."

Braley says there are a number of "bricks and mortar" projects the university is currently working on financing, among them the Korea University—UBC House project, faculty and staff housing, a new dentistry building, and retrofitting buildings for greater energy efficiency.

While garnering the Moody's rating is cause for excitement, Braley concedes that the real work is just beginning.

"The big task for us now is to put together one of the first bond issues for a major university in Canada," he says.

## SUNDAY, MARCH 25

**Workshop**

Take Charge of Your Career. Liz Murray, Women's Resources Centre, 1144 Robson St. from 10am-4pm. \$75. To register, visit [www.cstudies.ubc/wrc](http://www.cstudies.ubc/wrc), e-mail [wrc@cstudies.ubc.ca](mailto:wrc@cstudies.ubc.ca) or call 482-8585.

**Laureates' Concert**

cbc Young Composers' Celebration. cbc Vancouver Orchestra. Chan Centre at 2pm. \$12, adults; \$10, students/seniors. Call 822-5574.

**Green College****Performing Arts Group**

Spring Concert. Green College Choir. Green College at 8pm. Call 822-1878.

**Super Classic Piano Series**

Andras Schiff, piano. Chan Centre at 8pm. Call Ticketmaster at 280-3311 or 822-2697.

nings 318 at 4pm. Refreshments at 3:45pm. Call 822-2267.

**Thematic Lecture Series**

Children's Progress: Childhood, History And Science. Adriana Benzaquen, History. Green College at 5pm. Call 822-1878.

**Concert**

cbc Young Composers' Celebration. Music Recital Hall at 8pm. \$12, adults; \$10, students/seniors. Call 822-5574.

## TUESDAY, MARCH 27

**Botany Seminar**

Biological And Chemical Diversity Of Entomogenous Eumycota In South-coastal British Columbia. Eduardo Jovel. BioSciences 2000 at 12:30pm. Call 822-2133.

4-5:30pm. Refreshments. (bring your own mug). Call 822-0570.

**Graduate And Faculty Christian Forum**

Identity, Agency And Community: Women's Emerging Literacy As Reflected In Bunyan's Narratives. Prof. Maxine Hancock, Regent College. Buchanan B Penthouse at 4:15pm. Refreshments at 4pm. Call 822-3219.

**Thematic Lecture Series**

Regional Disparities, Centralization And Conflict: The Case Of The Southern Province In Sri Lanka. Prof. Sathyapala Pinnaduwa, Agricultural Economics, Ruhuna U. Green College at 5pm. Call 822-1878.

**Museum Of Anthropology Public Program**

An Evening Of Stories. MOA Great Hall from 6-9pm. Call 822-2415 or 822-5978.

**Asian Research Seminar**

Relevant Universities, Alternative Education And International Linkages: The Included And Excluded In Higher Education Reforms After 1994 In Sri Lanka. Prof. Sathyapala Pinnaduwa, Agricultural Economics, U of Ruhuna. CK Choi 120 from 4:30-6pm. Call 822-4688.

**Cosmological Interdisciplinary Research And Education Group**

Traditional Chinese Views Of The Natural World. Daniel Overmyer, Asian Studies. Green College at 5pm. Call 822-1878.

**Poetic Persuasions**

Readings: *The Sputnik Diner, Kingdom of Monkeys*. Rick Maddocks, Adam Lewis Schroeder. Green College at 8pm. Call 822-1878.

## THURSDAY, MARCH 29

**Botany Seminar**

Searching For Additional Components In The Mating-Type Associated Vegetative Incompatibility Response In *Neurospora Crassa*. Megan Hiltz. BioSciences 2000 at 12:30pm. Call 822-2133.

**Earth And****Ocean Sciences Colloquium**

The Permeability Of The Continental Crust. Steve Ingebritsen, US Geological Survey. GeoSciences 330-A at 12:30pm. Call 822-3278.

**Concert**

UBC Contemporary Players. Music Recital Hall at 12:30pm. Call 822-5574.

**Exploring Buddhist****Philosophy Seminar**

Buddhist Perspective On Stress. Richard Chu. Buchanan B-212 from 12:30-2:30pm. To register, visit [www.welcome.to/ubc\\_sgi](http://www.welcome.to/ubc_sgi), e-mail [ubc\\_sgi@canada.com](mailto:ubc_sgi@canada.com) or call 875-1688.

**Physics Colloquium**

TBA. Alan Shotter, TRIUMF. Hennings 201 from 4-5pm. Refreshments at Hennings 325 at 3:30pm. Call 822-2432.

**Integrated Computer Systems****Research Distinguished Lecture**

Rethinking Engineering Research And Education For Post-PC Systems-On-A-Chip. Hugo De Man, Electrical Engineering, Katholieke Universiteit Leuven. CICS/CS 208 from 4:30-5:30pm. Call 822-6894.

**Law And Society**

Adventures Of The Juridical. Alan Hunt, Law and Sociology, Carleton U. Green College at 5pm. Call 822-1878.

**Concert**

Collegium Musicum Ensembles. Music Gessler Hall 116 at 8pm. Call 822-5574.

## FRIDAY, MARCH 30

**Health Care And Epidemiology Rounds**

Pneumococcal Disease And Its Prevention. David Scheifele, BC Centre for Vaccine Evaluation. Mather 253 from 9-10am. Paid parking available in B Lot. Call 822-2772.

**Teaching And****Academic Growth Seminar**

Making The Most Of Teaching, Learning And Technology In Higher Education. USB Telestudio from 9:30am-12:30pm. To register [www.cstudies.ubc.ca/facdev/](http://www.cstudies.ubc.ca/facdev/) or call 822-9149.

**Fish 500 Seminar**

Defining Logging Risk To BC's Freshwater Fish Fauna. Marc Porter, BC Fisheries. Hut B-8, Ralf Yorke Room from 11:30am-1pm. Call 822-2731.

**Japanese Research/Commerce/JETRO Seminar**

Canada-Japan Trade Issues: What Are The Strategies For Major Trading. Prof. Motoshige Ito, U of Tokyo. CK Choi 120 from 12noon-1pm. Reception/lunch. To register call 484-4174.

**Occupational And Environmental Hygiene Seminar**

Aggression And Violence In Health Care: Thinking About Risk. Prof. Neil Boyd, Criminology, SFU. UBC Hosp., Koerner Pavilion G-279 from 12:30-1:30pm. Call 822-9861 or 822-0585.

**Seminar**

Law And Morality: Is There A Need For A Moral Order To Support Legal Decisions. C.D. Gonthier, Supreme Court Justice. Curtis TBA at 12:30pm. Call 822-1878.

**Concert**

Collegium Musicum Ensembles. Music Gessler Hall 116 at 12:30pm. Call 822-5574.

**Chemical And****Biological Engineering Seminar**

Wet End Operation Issues: Study Of Recycle Dynamics And Control. Michael Chongping. ChemEng 206 at 3:30pm. Call 822-3238.

**Chalmers Institute Seminar**

Toward A New Ministry Of Music. Fred Graham, Maureen Hollins, Jocelyn Pritchard. VST from 7:30-9:30pm. Continues March 31 from 9:30am-4pm. \$96; \$48 (group/seniors). To register e-mail [ci@vst.edu](mailto:ci@vst.edu). Call 822-9815.

**Concert**

University Singers. Chan Centre at 8pm. Call 822-5574.

## SATURDAY, MARCH 31

**Concert**

University Singers. Chan Centre at 8pm. Call 822-5574.

## SUNDAY, APRIL 1

**Pacific Spirit Concerts**

The Future Is Now: Works By Chopin, Strauss And Dvorak. Various artists. Music Recital Hall at 2pm. \$10 (students); \$20. Call 822-5574.

## MONDAY, APRIL 2

**Concert**

UBC Student Composers. Music Recital Hall at 12:30pm. Call 822-5574.

**Ancient Greek****Economic History Seminar**

Property And Wealth In Classical Sparta. Stephen Hodgkinson, Classics.

# calendar

MARCH 25 THROUGH APRIL 7

## MONDAY, MARCH 26

**Workshop**

Enhancing People Skills: The Myers Briggs Approach. Marion Schapiro. Women's Resources Centre, 1144 Robson St. from 10am-4pm. \$90. To register, visit [www.cstudies.ubc/wrc](http://www.cstudies.ubc/wrc), e-mail [wrc@cstudies.ubc.ca](mailto:wrc@cstudies.ubc.ca) or call 482-8585.

**Concert**

Bach, Handel, Monteverdi And Others. Collegium Musicum Ensembles. Music Gessler Hall 116 at 12:30pm. Call 822-5574.

**Applied Ethics Colloquium**

Biocultural Issues In Ethnobotany: Does The Law Of Unintended Consequences Reign Supreme? Kelly Banister, UVIC. FamSciences 50 from 2-4pm. Call 822-8625.

**Astronomy Seminar**

Mass Limits For Black Hole Formation. Chris Fryer, U of California. Hen-

**Concert**

The Butterfly Lovers. UBC Chinese Music Ensemble; Du Yaxiong, director. Asian Centre Aud. at 12:30pm. Call 822-5574.

**Dow Lecture In Modern Chemistry**

Vibrational Spectroscopy As A Probe Of Structure And Orientation In Polymeric Systems. Bruce Chase, DuPont. Chemistry B-250 from 1-2pm. Refreshments at 12:30 pm. Call 822-2996.

**India And South Asia Research Seminar**

State And Nature Of South Asian Studies In Japan. Prof. Riho Isaka, Tokyo U. CK Choi 120 from 1:30-3:00pm. Call 822-4688.

**Statistics Seminar**

Recurrence Relation For Minimum Variance Unbiased Estimation Of Certain Left-Truncated Poisson Distributions. Prof. Jagdish Ahuja, Portland State U. Klinck 301 from

**Seminar**

Liberty, Equality, Fraternity: The Third Unspoken Pillar Of Democracy. C.D. Gonthier, Supreme Court Justice. Green College at 7:45pm. Call 822-1878.

**Laureates' Concert**

cbc Young Composers' Celebration. Chan Centre at 8pm. \$12, adults; \$10, students/seniors. Call 822-5574.

## WEDNESDAY, MARCH 28

**Orthopedics Grand Rounds**

Dynamic Measurements Of Three-Dimensional Shoulder Kinetics. Andrew Karduna, Rehabilitation Sciences, MCP Hahnemann U. VGH, Eye Care Centre Aud. at 7am. Call 875-4192.

**Japanese Research Seminar**

Flying Geese In Asia: The Impacts Of Japanese Multinational Corporations As A Source Of Industrial Learning. Prof. David Edgington, Geography. CK Choi 120 from 12noon-1:15pm. Call 822-4688.

**Another Look At Human Development Colloquium**

Should Family Life Education Be Mandated In Canada? Asst. Prof. Jim Ponzetti, Family Studies. IRC #414 from 12:30-1:20pm. Call 822-6593.

**Women's Studies And Gender Relations Lecture**

The Flexible Woman. Asst. Prof. Ruth Buchanan, Law. Women's Studies reception area at 12:30pm. Call 822-9171.

**IIGSP Noon-Hour Seminar**

Grantspersonship. Sherrill Grace, English. Green College at 12:30pm. No outside food or beverages please. Call 822-1878.

**Wood Science Seminar**

Impact Of Technology On Global Forests And Wood Use. Prof. David Cohen. ForSciences 1221 from 12:30-1:30pm. Refreshments. Call 822-0081.

**Obstetrics And Gynecology Seminar**

BRCA1 Mutations And Familial Ovarian Cancer. Takayo Ota. B.C.'s Women's Hosp. 2N35 at 2pm. Call 875-3108.

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## CALENDAR POLICY AND DEADLINES

The *UBC Reports* Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland. Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310 - 6251 Cecil Green Park Road, Vancouver BC, V6T 1Z1. Phone: UBC-info (822-4636). Fax: 822-2684. An electronic form is available at [www.publicaffairs.ubc.ca](http://www.publicaffairs.ubc.ca). Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space. Deadline for the April 5 issue of *UBC Reports*—which covers the period April 8 to April 21—is noon, March 27.



u of Manchester. Buchanan B-216 from 3:30-5pm. Call 822-4059.

**VST Theological Forum**

Millennial Musings: The Book Of Revelation. Harry Maier. vst from 4-5pm. Call 822-9815.

**Thematic Lecture Series**

Globalization And Canada-Asia Relations. Yuen Pau Woo, vice-president research/chief executive, Asia Pacific Foundation of Canada. Green College at 5pm. Call 822-1878.

**TUESDAY, APRIL 3**

**Botany Seminar**

The Proteine Storage Vacuole: A Compound Organelle. John Rogers, Washington State u. BioSciences 2000 at 12:30pm. Call 822-2133.

**Lectures in Modern Chemistry**

Noble Gas-Metal Chemical Bonding And Related Phenomena, Studied By FT Microwave Spectroscopy. Prof. Michael Gerry. Chemistry B-250 from 1-2pm. Refreshments at 12:30pm. Call 822-2996.

**Faculty Women's Club Meeting**

Annual General Meeting. Paul and Bette Deggan. Cecil Green Park House at 1pm. Call 224-5877.

**Statistics Seminar**

Assessing Informed Drop-Out In Models For Repeated Binary Data. Lee Er. Klinck 301 from 4-5:30pm. Refreshments, (bring your own mug). Call 822-0570.

**Art History And Visual Art Lecture**

Where Existence Ends: Cronenberg's Virtual Reality. Teresa de Lauretis, u of California. Lasserre 102 at 5:30pm. Call 822-2757.

**WEDNESDAY, APRIL 4**

**Orthopedics Grand Rounds**

TBA. Dr. Steven Boyd, u of Calgary. VGH, Eye Care Centre Aud. at 7am. Call 875-4192.

**Women's Studies**

**And Gender Relations Lecture**  
Global Feminism And Technical Communication: Beyond Local Boundaries. Prof. Amanda Goldrick-Jones, Writing and Women's Studies, u of Winnipeg. Women's Studies reception area at 12:30pm. Bring your lunch. Call 822-9171.

**NEXT CALENDAR DEADLINE:  
noon, March 27**

**Concert**

UBC Gamelan Ensemble. Music Recital Hall at 12:30pm. Call 822-5574.

**Obstetrics and Gynecology Seminar**

Different Effects Of GnRH II On MMPS/TIMPS Between Decidual And Trophoblastic Cells. Chunshan Chou. B.C.'s Women's Hosp. 2N35 at 2pm. Call 875-3108.

**School Of Nursing Rounds**

Making Our Own Choices: Alternative And Complementary Therapy Use By Women Living With Breast Cancer. Lynda Baineaves. UBC Hosp., Koerner Pavilion T-182 from 3-4pm. Call 822-7453.

**Astronomy Seminar**

Eight Billion Years Of Galaxy Evolution. Sidney van den Bergh, NRC. Hennings 318 at 4pm. Refreshments at 3:45pm. Call 822-2267.

**THURSDAY, APRIL 5**

**Peter Wall Institute Exploratory Workshop**

The International Ethics Of Security. Various speakers. University Centre 307 from 9am-4pm. Continues to April 6. To register, visit [www.iir.ubc.ca/pwiasconferences/internationalethics/index.html](http://www.iir.ubc.ca/pwiasconferences/internationalethics/index.html) or e-mail [gamecock@interchange.ubc.ca](mailto:gamecock@interchange.ubc.ca). Call 822-4782.

**10th Annual Arts Clinjy Fair**

Big Sugar, Wide Mouth Mason, Chocclair, Limblifter, Templar. Thunderbird Stadium from 12noon-9pm. \$14. Call 822-4403.

**Transformations of Europe Seminar**

The Gypsy Problem In Eastern Europe. Gabrielle Matzner-Holzer, Austrian ambassador to Slovakia. Buchanan B-216 from 12noon-2pm. Light lunch. Call 822-1452.

**Earth And Ocean Sciences Colloquium**

Preparing For An Eruption On The Most Volcanic Island In The Caribbean: Dominica. Mark Stasiuk, Geological Survey of Canada. GeoSciences 330-A at 12:30pm. Call 822-3278.

**Commerce Lecture**

Prof. Martin L. Puterman. Angus David Lam Amphitheatre at 1pm. Lunch at 12:30pm. To register, visit [www.commerce.ubc.ca](http://www.commerce.ubc.ca), e-mail [jessie.lam@commerce.ubc.ca](mailto:jessie.lam@commerce.ubc.ca) or call 822-8518.

**Concert**

Schrecker, Mahler, Respighi. UBC Symphony Orchestra; Alexis Barthelmy, mezzo soprano. Chan Centre at 12:30pm. Call 822-5574.

**Physics Colloquium**

TBA. Sidney van den Bergh, NRC. Hennings 201 from 4-5pm. Refreshments, Hennings 325 at 3:30pm. Call 822-2432.

**Super Classic Song Series**

Renee Fleming, soprano; Jean Yves Thibaudet, piano. Chan Centre at 8pm. \$15-\$82. Call 822-2697.

**FRIDAY, APRIL 6**

**Health Care And Epidemiology Rounds**

The GVRD Water And Turbidity Study. Ray Copes, Environmental Health. Mather 253 from 9-10am. Paid parking available in B Lot. Call 822-2772.

**Occupational And Environmental Hygiene Seminar**

Respiratory Disease And Exposure To Airborne Mould In Lumber Mills. Lisa Ronald, Health Care and Epidemiology. UBC Hosp., Koerner Pavilion G-279 from 12:30-1:30pm. Call 822-9861 or 822-0585.

**Concert**

Free Noon Hours At Main. Main Library Dodson 502 at 12:30pm. Call 822-5574.

**Seminar**

Beta-Cell Turnover In The Pathogenesis Of Type Two Diabetes. Prof. Diane T. Finegood, Diabetic Research Laboratory, School of Kinesiology, SFU. IRC #3 from 12:30-1:30pm. Call 822-2052.

**Concert**

Schrecker, Mahler, Respighi. UBC Symphony Orchestra; Alexis Barthelmy, mezzo soprano. Chan Centre at 8pm. Call 822-5574.



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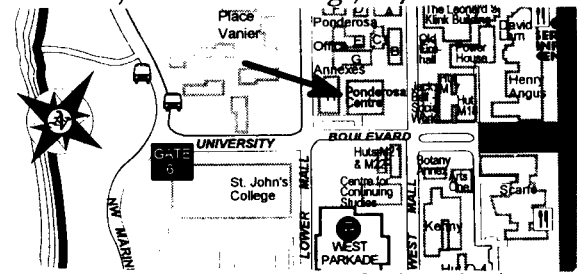
# Public Information Meeting

for the campus community

on the **Technology Enterprise Facility 3**  
(Multi-Tenant Facility, Phase 3)

**Wednesday, April 4, 2001, 12:30-1:30 p.m.**

Cedars Room, Ponderosa Bldg., 2071 West Mall



To present and review the schematic design for the Technology Enterprise Facility 3 (Multi-Tenant Facility, Phase 3) proposed to be constructed on the northwest corner of Parking Lot C-2 south of the existing Gerald McGavin Building. The proposed approximately 10,000 square-metre building is a six-storey laboratory and office multi-tenant facility.

Subject to Board of Governors approval, construction is anticipated to begin in Fall 2001 with occupancy in Fall 2002.



This event is wheelchair accessible. Individuals needing assistive learning devices, captioning, or information on alternate media should contact Gisela Haarbrucker at 822-9560 one week in advance.

FREE PARKING will be available in the West Parkade. Please pick up a parking pass after the meeting in order to exit the parkade without charge.

Questions or for further information:

Contact Jim Carruthers, Campus Planning & Development at 822-0469



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## CONTINUING STUDIES

### ASSOCIATE VICE-PRESIDENT

Nominations and applications are invited for the position of Associate Vice-President, Continuing Studies.

UBC Continuing Studies is a leader in providing flexible and innovative educational opportunities for individuals who wish to upgrade their career skills, pursue a degree part-time or at a distance, or explore topics out of general interest. The more than 1,000 non-credit, certificate and distance education programs are recognized for their innovative curricula and adult learning centred teaching methods. With over 25,000 registrations annually, Continuing Studies offers a wide range of programs to participants from local, national and international markets. A key challenge for the successful candidate will be integrating Continuing Studies programs into the rapid expansion associated with the opening of UBC at Robson Square. The Web site is located at [http://www.cstudies.ubc.ca/about\\_us.htm](http://www.cstudies.ubc.ca/about_us.htm)

The Associate Vice-President, Continuing Studies, is responsible to the Vice-President, Academic and Provost, for the administration of programs, budget and all activities of Continuing Studies, and is a member of the University's senior management team.

The staff complement includes 55 positions engaged in program research, development, evaluation and delivery. Seventy support staff provide assistance in coordinating and implementing the development, marketing and delivery of programs and courses. In addition over 450 instructors contribute subject area expertise. The annual budget is approximately \$18 million.

We seek an individual with a broad, strategic understanding and vision for the potential of life-long learning and community engagement in the context of a research-intensive university; and an understanding of the academic environment and the core values critical to upholding and enhancing the unique nature of continuing education functions of promoting and facilitating access through applied practice, innovative research, inquiry and instruction. In addition, the successful candidate will have expertise in managing a large and complex cost-recovery organization.

UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply. The search is limited to candidates internal to the University and the successful candidate must qualify for a confirmed appointment in Continuing Studies, or a tenured faculty position. Written nominations for the position, or applications supported by a CV and the names of three referees, should be submitted to Charlotte Passmore in the Provost's Office, 6328 Memorial Road by April 20, 2001.

**Butterflies of British Columbia**  
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Crispin S. Guppy and Jon H. Shepard

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## PLACING CLASSIFIED ADS

Deadline: for the April 5 issue: 12 noon, March 27.

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

Additional words: 50 cents each. Rate includes GST.

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

**DIGEST**

**Adjust your salaries**

A market adjustment of \$1 million will be applied to the salaries of management and professional staff represented by the Association of Administrative and Professional Staff at UBC.

The adjustment of 2.3 per cent to the overall salary grid and to the base salaries of individual employees will be applied to all job families except the seven job families that are at or near the market median salary level.

The excluded job families are: Athletics; Bookstore Management; Building Maintenance; Computer and Data Processing; Development Office; Educational Programming; Residence Co-ordinator.

The adjustment resulted from independent market survey data on more than 50 UBC job families.

The adjustment will appear on March 31 pay cheques and is retroactive to Jan. 1.

**Go native**

The third annual Pacific Northwest Native Plant Sale will be held April 8 from 11 a.m. to 4 p.m. in the UBC Botanical Garden. Admission is free.

This year, threats of water shortages in the Lower Mainland are expected to draw gardeners searching for plants that thrive in dry conditions.

The sale is the largest event of its kind in Western Canada or Washington State and many of the

more than 300 species of native plants for sale are difficult to find say organizers.

The sale is co-sponsored by the university's Friends of the Garden and the Native Plant Society.

**Nominate for NSERC awards**

The Natural Sciences and Engineering Research Council (NSERC) is accepting nominations for the annual Michael Smith Awards and the 2001 Gerhard Herzberg Canada Gold Medal for Science and Engineering.

The Michael Smith awards recognize individuals and organizations who make an outstanding contribution to the promotion of science in Canada through activities that encourage popular interest or develop science abilities.

They honour Nobel Prize-winner and UBC Prof. Emeritus Michael Smith. Up to five awards will be given.

The Herzberg Medal is NSERC's highest honour. It is awarded annually in recognition of sustained excellence and influence in research by an individual in Canada who has substantially advanced the natural sciences or engineering fields.

In addition to the medal, the award winner will receive \$1 million over a five-year period for either the recipient's university-based research or to be directed in some related way, such as the establishment of research scholarships.

All researchers at Canadian universities and in government or corporate research labs are eligible for

the Herzberg Medal. Deadline for nominations is April 15.

For details on the Herzberg awards visit [www.nserc.ca/about/award\\_nomin\\_e.htm](http://www.nserc.ca/about/award_nomin_e.htm) or phone (613) 995-5829. For details on the Michael Smith awards visit [www.nserc.ca/msmith/en](http://www.nserc.ca/msmith/en) or call (613) 947-2524.

**Joint biotechnology degree offered**

UBC and the B.C. Institute of Technology (BCIT) have created a new Bachelor of Science degree in biotechnology that will be offered jointly through the two institutions.

Developed with the support of B.C.'s biotechnology industry, the degree is designed to meet the growing demands for skilled workers in that sector.

After completing one year of pre-entry studies, students will take two years at BCIT followed by two years at UBC. Four co-op work terms as well as industry-sponsored projects form part of the program.

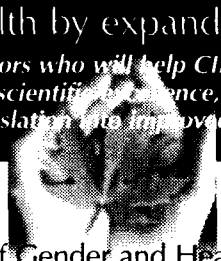
"This is a good example of the post-secondary sector, industry and government coming together to create another leading-edge program of benefit to students," says Neil Guppy, associate vice-president, Academic Programs.

Courses begin in September and the program will graduate its first students in 2004.

**Free coffee**

at Food Services Outlets randomly during March to patrons who bring their own mugs. [www.wastefree.ubc.ca](http://www.wastefree.ubc.ca)

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CIHR's Institute of Gender and Health is seeking an:  
**Assistant Director**

Reporting to the Scientific Director of the CIHR Institute of Gender and Health, the Assistant Director will work collaboratively as a key member of the Institute team, will supervise staff, and will liaise with the CIHR secretariat located in Ottawa. The Assistant Director will provide administrative leadership and assist the Scientific Director and the CIHR Institute Advisory Board to develop and carry out a strategic program of research, communication, and evaluation. She/he will help develop short term and long term plans and strategies for the Institute in accordance with its mandate. The Assistant Director will be an employee of the University of Alberta and will have responsibility for management of the local CIHR-IGH office facilities and the staff at the University of Alberta.

The Assistant Director will have a doctoral degree in a relevant field. He/she will also have related research experience including project management within health-related research networks, or collaboratively funded grants programs, involving complex relationships with diverse stakeholders. She/he must possess superlative written and oral communication skills, including experience in preparation of health-related reports and publications. Fluency in both official languages is strongly preferred. Excellent interpersonal, organizational, presentation, synthesis, and research skills are essential.

The salary range is \$54,000 - \$77,000 per annum. This is a term position until June 2004, with possibility of renewal. We invite you to forward your CV by March 27, 2001.

Dr. Miriam Stewart  
 Scientific Director  
 CIHR Institute of Gender and Health  
 5-22 University Extension Centre  
 8303 - 112 Street  
 Edmonton, AB T6G 2T4  
 Phone: (780) 492-8031  
 Fax: (780) 492-8045  
 Email: [Miriam.stewart@ualberta.ca](mailto:Miriam.stewart@ualberta.ca)

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA).

The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

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THE UNIVERSITY OF BRITISH COLUMBIA  
 OFFICE OF THE VICE-PRESIDENT, RESEARCH  
 ASSOCIATE VICE-PRESIDENT

The Office of the Vice-President, Research, is providing the leadership required to meet both the challenges and opportunities articulated in the Trek 2000 vision documents and those presented by new Federal and Provincial funding programs such as CFI, CIHR, BCKDF, Genome BC and the Canada Research Chairs. New opportunities within SSHRC and NSERC are also critical to UBC's research enterprise.

The Associate Vice-President, Research, will support the full range of activities of the office with particular responsibility for research associated with CIHR, SSHRC, Genome BC, and CFI. Nominations and applications are invited for this position.

The Associate Vice-President, Research will report to the Vice-President, Research. The individual, who will have a broad knowledge of both the academic and administrative sides of UBC, will play a leadership role in promoting and managing research on campus and at the affiliated teaching hospitals. Responsibilities will include:

- develop a health research strategy for UBC and enhance UBC's success at CIHR and CFI with the support of CFI and CIHR co-ordinators
- assist academic units to form and exploit research collaborations and liaisons
- develop policies and procedures for the effective management of research within new funding paradigms
- developing programs to enhance the competitiveness of faculty at federal research competitions
- work with other service units on campus to provide the best support for the research community (e.g. finance, human resources, purchasing, development and fund raising, research services, UILO etc.)
- analysis of research opportunities

The Associate Vice-President, Research, will work closely with the associate deans, Research, and will have the support of the Research Services' and University-Industry Liaison staff.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. Applications and nominations should be submitted to Marcia Lang in the Office of the Vice-President, Research, by April 1, 2001. Applicants should submit current CV's and the names of three referees.

## FEATURE

*From genes to sharps and flats, UBC authors cover the publishing front*

Stories by Bruce Mason, staff writer

# Between the covers



Botany Prof. Anthony Griffiths and Education Assoc. Prof. Jolie Mayer-Smith have co-authored a book designed to improve the teaching of genetics.  
Bruce Mason photo

## Genetics in book's makeup

*Science educators transform the teaching of genetics*

"EVERY EDUCATED PERSON MUST have an understanding of genetics," says Botany Prof. Anthony Griffiths. Easier said than done.

In the early '90s he lectured to 500 students in the compulsory Biology 334 course and worried that too many were failing.

Enter Education Assoc. Prof. Jolie Mayer-Smith, who had earned a PhD in Science before switching her focus to science education.

"We had talked about how to solve the problem and in the fall of '92 I began attending the lectures," she recalls.

Lengthy periods of observation, discussion and analysis followed as strategies and activities were developed with students, teaching assistants, faculty and staff in collaborative study group meetings.

Nearly a decade later, their intense, ongoing partnership has produced the landmark text, *Understanding Genetics: Strategies for*

*Teachers and Learners in Universities and High Schools.*

"In the past I did the teaching and students did the learning," says Griffiths, who describes himself as a convert to constructivism.

In simplified terms, constructivism is a way of thinking about the formation of knowledge and understanding.

Learning involves construction of knowledge by students engaging thoughtfully with information.

"Knowledge isn't a commodity to be transferred," explains Mayer-Smith. "It's a product of students processing and making connections between new information received and knowledge previously constructed."

"Prior knowledge and experiences are very important—they mediate how students view, accept, process and construct new understanding," says Griffiths, who abandoned 'mug and jug' educa-

tion when, among other things, he concluded his biology students were confronting complex data analysis for the first time.

"I'm convinced that genetics teachers have an obligation to help students change from regurgitation—useful in some courses—to a metacognitive or self-questioning mode," he says.

"Our goal as teachers," says Mayer-Smith, "must be to create a shared, active learning environment in which students demonstrate critical thinking and skills at problem-solving and transferring learning to new situations."

This challenge requires fundamental changes in the roles and actions of teachers and students Griffiths and Mayer-Smith say.

An end to lecturing as some know it?

"Traditional lecturing is a medieval form which has outlived its usefulness and must be redesigned to promote active learning rather than just transfer information," they conclude.

## Author flies high

*Commerce professor helps open the skies for travellers*

FASTEN YOUR SEATBELT. Prepare for takeoff and high altitudes.

Our pilot is Commerce and Business Administration Prof. Tae Oum.

"Airlines are a sexy, prestige business but the research of my colleagues and I has exerted considerable influence," says Oum, who is director of the Centre for Transportation Studies.

"Most notably, deregulation has dramatically reduced air fares," says Oum whose two recent books are *Shaping Air Transport in Asia*, with Chunyan Yu and *Globalization and Strategic Alliances: The Case of the Airlines Industry* with Jong-Hun Park and Anming Zhang.

The first book studies an area of many countries with close borders and a slower pace of airline liberalization, he explains.

"Airlines are a symbol of high-tech and a source of national pride, but when domestic markets are monopolized, efficient growth is limited and costs and ticket prices are higher."

The second book investigates 14 major airlines which have formed strategic alliances. Air Canada, for example, is a member of the Star



Commerce Prof. Tae Oum

Alliance.

Oum isn't surprised by complaints in Canada.

"The priority of monopolies is to make as much money as possible, but Canada's domestic market will eventually be opened in return for routes in other countries, just as the CNR is no longer exclusively Canadian after buying up rail lines in the U.S."

Busy as an air traffic controller as his UBC courses take off in popularity, Oum is president-elect of the American Economics Association's Transportation and Public Utilities Group and president of the Air Transport Research Group—a worldwide networking organization for researchers, policy makers and executives.

What keeps him flying high?

"To improve the efficiency of the world's airlines for the benefit of consumers," he says.

## Pianist's work in the key of Beethoven

*Ten-CD set conveys composer's magnificence in black and white over 11 hours*

FOR THE RECORD, Music Prof. Robert Silverman is not the Toronto actor for whom he once received a cheque from CBC Television. Nor is he dean of Arts at Queen's University or "Bicycle Bob" Silverman, also from Montreal, who once got arrested for painting his own bicycle path on a city street.

A faculty member since 1973, who served as director of the School of Music from 1991-95, Silverman is the renowned pianist who has arrived at the peak of classical music after performing live and recording Beethoven's 32 sonatas.

Comprising 103 individual movements and more than 11 hours of music, the 10-CD set is on the Orpheum Masters label.

Silverman has performed with the world's greatest symphonies. He has made more than 15 winning recordings.

But after serving as the school's director he says he was looking for something big to get him back in the swing and keep him off the streets.

"I spent four years on this project, but have been living and teaching this music for a lifetime."

"The sonatas embody the core of the piano repertoire, in which Beethoven's immense expressive range, limitless powers of invention and technical mastery are revealed," he explains.

Silverman, who scaled his personal Everest on a high-tech Bosendorfer 290SE piano, only one of 32 manufactured, says his life has changed.

"The sense of any work is so



Music Prof. Robert Silverman

much clearer to me now. I feel totally gelled artistically."

He describes his current UBC class as the best in 35 years.

"We pass on what we know and that helps develop ideas. I am a much better pianist because I teach and a much better teacher because I perform," he says.

A pianist and professor whose 10-disc set of the sonatas sold out in two months and is being reissued, Robert Silverman is enjoying the view.