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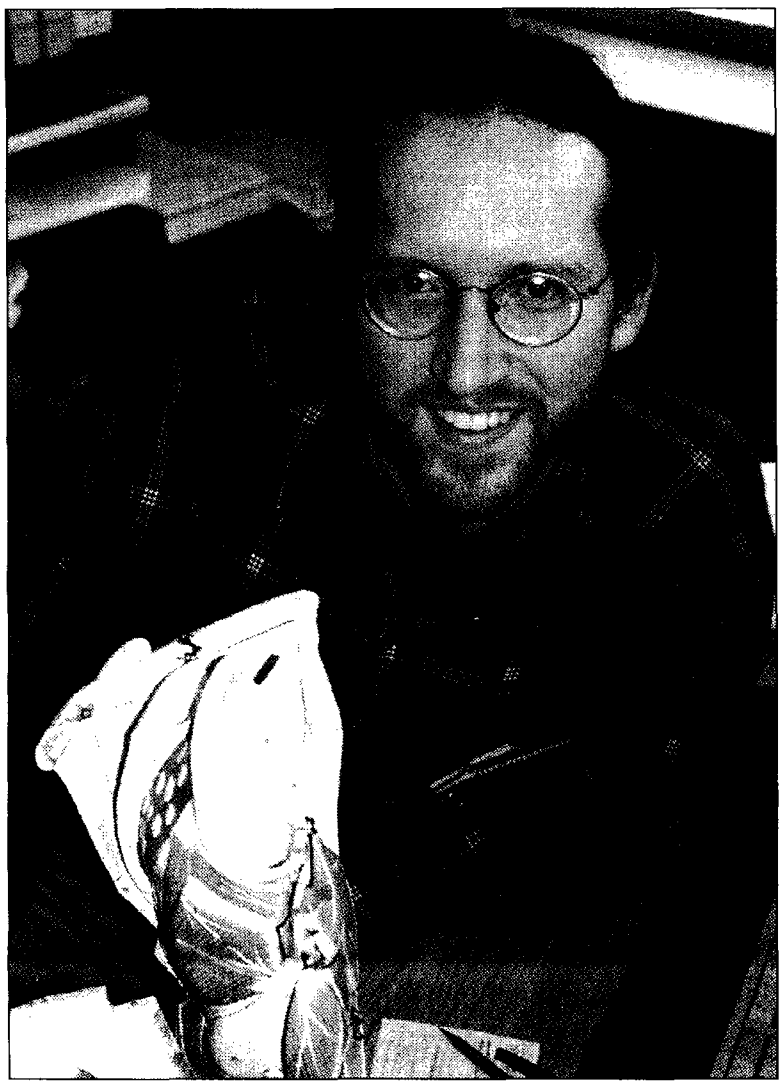
ubc reports
THE UNIVERSITY OF BRITISH COLUMBIA



A recent recipient of research funding from the Canada Foundation for Innovation, Linguistics Asst. Prof. Bryan Gick aims to create the first computer model of the human vocal tract. *Hilary Thomson photo*

Federal budget bolsters funding for universities

UBC hopes the provincial government will follow through with increase to universities' core operating budget s

by Hilary Thomson staff writer

RESOURCES FOR post-secondary education will be enriched with a portion of a four-year $2.5-billion federal transfer payment being made to fund post-secondary education and health, according to the recently announced federal budget.

"We're extremely pleased with this identification of post-secondary education as a priority in the transfer payments," says UBC President Martha Piper. "We hope that it will serve as a signal to the provincial government to provide the requested increases in the core operating budgets of B.C. universities."

The resources are provided through the Canada Health and Social Transfer which now has a cash component of $15.5 billion—an increase of almost 25 per cent in two years. Provinces now also have the flexibility to draw upon the funding at any time over the four-year period.

In addition the government has made major new investments in research and innovation and student assistance. Canadian universities will receive $900 million over five years to fund 2,000 Canada Research Chairs.

"This funding is critical to enable us to attract and keep top researchers," says acting vice-president, Research, David Dolphin. "It gives UBC a chance to solidify our research priorities in both sciences and humanities and boost our capacity to create new knowledge."

About half the funding will be used to attract established leading researchers. The other half will support junior researchers with demonstrated potential to succeed.

The Canada Foundation for Innovation (CFI) which provides for research infrastructure in post-secondary institutions and hospitals will also receive $900 million. This brings the total CFI investment to $1.9 billion and will support continued awards until 2005.

A new non-profit corporation called Genome Canada will distribute $160 million in funding to science centres across Canada. The centres will provide laboratory services to researchers to advance the study of genes and biotechnology with an emphasis on health issues.

Government assistance for students has been increased with a tax exemption of $3,000 allowable for income from scholarships, fellowships and bursaries. There is also an increase in the basic personal exemption to $8,000.

"The budget made some important moves towards helping low-income students, but it did little to reinvest in Canada's post-secondary education system," says Alma Mater Society President Maryann Adamec.

"Some important changes were made that could save students money at tax time, but overall, those savings will mean very little if better efforts are not made to control the increasing costs of a post-secondary education."

see Budget page 2

Speech researcher lands CFI funding

Funding offers new faculty research opportunities

by Hilary Thomson staff writer

A SOCIAL SCIENCES RESEARCHER is among the UBC scholars to receive funding in the latest round of New Opportunities grants from the Canada Foundation for Innovation (CFI).

Linguistics Asst. Prof. Bryan Gick was awarded $500,000—UBC's first major award from the CFI in the social sciences—to create an interdisciplinary speech research laboratory.

Six UBC research projects in disciplines ranging from surgery to engineering were recently awarded close to $1 million from CFI.

A total of $3.2 million was awarded to 21 projects across Canada to assist newly recruited faculty members develop their research.

Gick, who joined the Faculty of Arts from Yale University last July, specializes in studying the connection between the physical structures that articulate speech—tongue, lips and jaw—and the cognitive processes that organize language.

In the only laboratory of its kind in Canada, investigators from the School of Audiology and Speech Sciences, the Dept. of Electrical and Computer Engineering and the Psychology Dept. and others will collaborate on a variety of projects.

A major project aims to create the world's first three-dimensional computer model of the vocal tract.

"This is one of the body's most complicated motor control systems," says Gick. "We understand pieces of it, but we've never been able to model the whole system in action."

In addition to a more complete understanding of speech production, the model may assist in synthesizing speech. Applications include audio-visual communications and customized treatments and surgical reconstructions for people with cleft palate or loss of mouth or throat tissue.

see Researcher page 2

Campaign to build athletic scholarships

Ten-year initiative aims to encourage amateur sport, says campaign chair

by Bruce Mason staff writer

A MAJOR COMMUNITY CAMPAIGN to recruit top student athletes to the university will be officially launched March 13 at 7:30 a.m. at the Vancouver Convention and Exhibition Centre.

Vancouver lawyer, UBC alumnus and Thunderbird Council chair Martin Zlotnik, who brought the Air Canada Championship PGA Tour to Vancouver, will head the campaign.

The goal of the 10-year, $6.3 million initiative is to dramatically increase scholarship funding for student athletes.

"It's all about generating community spirit and greater support for varsity athletics," says Zlotnik. "It's about getting our alumni and their families, friends and neighbours to participate in amateur sport.

"We know we can achieve this by recruiting outstanding athletes, keeping them here, and introducing a higher level of competition to varsity sport in B.C.," he adds.

Campaign chair Martin Zlotnik

UBC President Martha Piper is keynote speaker at the $200-per-plate kick-off breakfast at the convention centre.

Net proceeds of the first annual breakfast, which is being generously supported by TELUS, will be matched by the university and used to endow an athletic scholarship fund.

The university has also committed to match proceeds from the event in 2001 and 2002.

"As highlighted in *Trek 2000*, we are committed to the principle of

see Scholarships page 2

A celebration of UBC authors

"Books are still extremely important. They have been with us for several thousand years and without them we wouldn't know who we are. They are friends, always ready to open doors." *UBC author and Prof. Emerita Marketa Goetz-Stankiewicz.*

Pages 5-8

Budget

Continued from page 1

Environment-related initiatives will receive $700 million in funding over three years with climate and atmospheric sciences receiving a $60-million investment.

TRIUMF, the sub-atomic physics laboratory based at UBC, receives a five-year $200-million commitment in the new budget. Also, forest research programs at UBC are reinforced with a portion of $15 million going to UBC-based Forintek and the Pulp and Paper Research Institute of Canada which carries out research programs on campus.

The new community infrastructure program is also anticipated to benefit universities dealing with increasing usage and aging facilities.

Researcher

Continued from page 1

Another lab project will record endangered languages, some of which are spoken by only one or two people. Gick, who teaches an undergraduate course on native languages of Canada, is committed to revitalizing endangered languages.

CFI has allocated New Opportunities funding to each university in Canada. A UBC committee recommends projects for funding and submits the choices to CFI for ratification and approval.

Other successful applicants are: Kendall Bushe, Mechanical Engineering; Matt Choptuik, Physics and Astronomy; Steve Jones, Medical Genetics; Marco Marra, Medical Genetics; Andre Marziali, Physics and Astronomy; Alice Mui, Surgery; and Sarah Townsend, Medical Genetics.

'Key' students meet on campus

THE UBC CHAPTER of the Golden Key National Honour Society will host the first-ever Canada Conference on campus March 16-19.

About 70 representatives from 11 society chapters will discuss issues such as the society's role in Canada and how members can serve their communities.

UBC vice-president, Students, Brian Sullivan will be one of the keynote speakers along with the founder and executive director of the society, Jim Lewis.

The Golden Key National Honour Society is an international non-profit honours organization open to the top 15 per cent of full-and part-time students in each undergraduate program and year.

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MORE INFORMATION
Contact Timothy Chan at gk.vp@ubc.ca

Scholarships

Continued from page 1

attracting academically qualified students, regardless of financial ability," says UBC Athletics and Recreation director Bob Philip. "We believe this should include academically qualified students who also excel in sport."

"For the most part, the varsity program has been successful in doing that," he adds. "But this new initiative represents an opportunity for our alumni, and the university and external community to be directly involved in taking our past successes to a higher level."

The 11 Western Canadian member institutions of the Canadian Interuniversity Athletic Union (CIAU) have lobbied unsuccessfully to have the CIAU alter its restrictive policy on athletic scholarships.

"We can't give athletic awards to students entering UBC unless they have an 80 per cent average," explains Kim Gordon, co-ordinator of Interuniversity Athletics. "As well, athletic awards are limited to $3,000."

While UBC remains committed to expanding scholarship opportunities within the CIAU, it is also exploring other competitive options, including the US-based National Collegiate Athletic Association.

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MORE INFORMATION
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ubc reports

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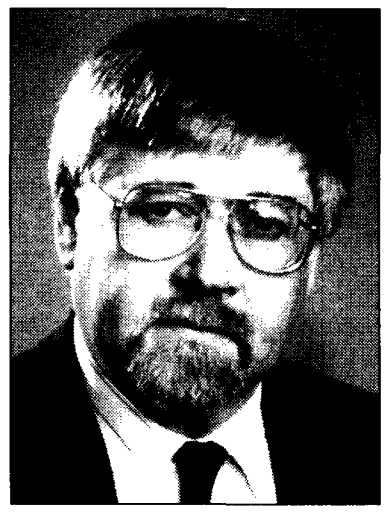
Elaine Humphrey, director of UBC's Biosciences Electron Microscopy Facility takes a closer look at images she provided for *3-D Lungs and Micro Tongues*. The book is one of two recently published to introduce youngsters to the microscopic wonders of nature. *Hilary Thomson photo*

Drug pioneer earns $3.2-million research funding

Prof. David Dolphin will continue groundbreaking work into treating diseases with light-activated drugs

by Andy Poon staff writer



Chemistry Prof. David Dolphin

DAVID DOLPHIN, a Chemistry professor and UBC's acting vice-president of Research, has received a $3.2-million grant in support of his pioneering work in the field of photodynamic therapy.

Dolphin has received a Collaborative Research and Development Grant of $1.4-million over five years from the Natural Sciences and Engineering Research Council of Canada (NSERC) with a $1.8-million contribution from Vancouver-based QLT PhotoTherapeutics Inc.

"I am very honoured to receive the grant," says Dolphin. "It will certainly be of great benefit in continuing my research in photosensitizers."

He serves as vice-president of technology development for QLT and has consulted for chemical and pharmaceutical companies throughout North America.

The funding from the peer-reviewed grant will go towards his work in photodynamic therapy—developing new photosensitizers (a class of light-activated drugs) to treat new diseases, research ways to improve the molecules and new methods of treatment delivery for patients.

Considered a world expert on porphyrin chemistry for his extensive basic research in these areas, Dolphin helped spawn the technology for QLT with his research into the photochemical behaviour of tetrapyrrolic macrocycles.

QLT is a leader in the use of light-activated drugs for the treatment of cancer, diseases of the eye, autoimmune and cardiovascular diseases.

Dolphin began his research in the field of photodynamic therapy in the early 1980s along with QLT president and founder Julia Levy, a professor of Microbiology at UBC.

Specifically, his work led to the development of Visudyne™ (verteporfin), QLT's product for age-related macular degeneration (AMD), the leading cause of blindness in people over the age of 50.

"AMD is a devastating disease," says Dolphin. "It causes blindness and there is no known cure at the moment."

In the "wet" form of AMD, abnormal blood vessels in the central part of the retina, known as the macula, leak and over time cause photoreceptor damage and scar tissue buildup. The majority of patients lose total central vision within two years.

According to QLT, approximately 500,000 new patients develop wet AMD every year. It causes 90 per cent of the vision loss associated with the condition.

Dolphin received his BSc and a PhD in Chemistry from the University of Nottingham in England. After completing his doctorate studies, Dolphin joined Harvard University as a research fellow. While at Harvard, he rose to the rank of associate professor of Chemistry before joining UBC in 1974.

At UBC, Dolphin has garnered numerous awards and distinctions, among them a Guggenheim Fellowship, the Science Council of British Columbia Gold Medal in Health Sciences and an Izaak Walton Killam Research Prize.

Dolphin has also served as associate dean of Science and acting dean of Science.

Scientist focuses on tiniest topics for children's series

Photos get up close and personal to bugs' small but not-so-private parts

OFFBEAT

EVER WONDERED WHAT A FLEA foot looks like? Or a slug tongue?

If you've ever had a hankering to explore the world's small wonders in all their tiny glory, Elaine Humphrey has a couple of books for you.

Called *3-D Lungs and Micro Tongues* and *3-D Bees and Micro Fleas*, the recently published books are designed for children aged eight to 12 years.

Humphrey, the director of UBC's Biosciences Electron Microscopy Facility supplied magnified images for the books which are written by two Vancouver authors, Shar Levine and Leslie Johnstone.

"This project has been great fun and UBC has been very supportive," says Humphrey who describes her work with electron microscopy as "way cool."

Spider fangs, ladybug larvae and bee eyeballs—they're hairy!—are magnified up to 4,000 times and can be marvelled at through a 3-D viewer that comes with each book.

Readers can amaze their friends with the 48 pages of scientific information that accompanies the 24 viewer cards in each book.

Did you know that butterflies can see ultraviolet light, beetles smell with their feet and horseflies can travel 53 kilometres per hour?

Suggested activities for further investigation accompany the text and a glossary explains everything from phytoplankton to the plague.

Although this is Humphrey's first foray into children's books, she has a good understanding of what captures kids' interest from her years as a biology teacher and her work with the Scientists and Innovators in Schools program.

In addition to insects, the books also take a 3-D peek at plants, sea creatures and human body parts.

Some of the books' photos, blown up to file cabinet size, can be found at Science World and the intriguing images are also used in Humphrey's weekly television show, Small Wonders, on the Discovery channel.

Leeches' mouths, squid suckers and worm butts will be featured in the next book which dares readers to get up close and personal with the gross and scary.

So grab those 3-D glasses, treat yourself and your kids to a mondo microscopic and discover that it's a small world after all.

The books cost about $15 each and are available from UBC Bookstore and other booksellers. A portion of the profits from the books will fund UBC research.

Correction

THE UBC CONFERENCE CENTRE can accommodate groups ranging in size from 10 to 3,000 delegates during the summer. Incorrect information appeared in the Feb. 24 issue of *UBC Reports*.

Classrooms to benefit from facelift

Crews put priority on ensuring basics such as classroom blinds, windows and lights are back in working order

TREK 2000

UNIVERSITY CLASSROOMS and washrooms are undergoing a major facelift this spring as a result of one of the main strategies of *Trek 2000*.

The initiatives—dubbed "Class Trek" and "Operation Scrub"—are aimed at reducing deferred maintenance to 103 core classrooms and eliminating the backlog of washroom maintenance requests.

"Here are two areas that affect most people on campus on a daily basis," says David Woodson, associate director of Operations Engineering at Land and Building Services.

He says the classroom and washroom work serve as a kick-off for the Facility and Infrastructure Management Plan presented to UBC's Board of Governors last year.

An important component of the university's vision document, *Trek 2000*, is to "make the campus more attractive...upgrade and maintain our buildings, landscape and infrastructure so that UBC is seen as a model of a sustainable community and campus: safe, clean, livable, and environmentally friendly."

"What we are doing is repairing the kind of things that people notice when they use the classrooms and affect how they use the rooms," says Woodson.

He says that repairs to the windows, blinds, lights, walls and ceilings of classrooms will not only improve their appearance but also allow students and faculty to make the most use of the premises.

The average building on campus is 33 years old with three-quarters built 21 or more years ago, he says, so there is a pressing need for the classroom work.

Two crews of five—two carpenters, two painters, and one electrician—have been assigned to the project which got underway last month. To minimize disruption to classes crews work in the afternoons.

Work on the 103 classrooms is estimated to cost $750,000 with completion anticipated June 30.

With 1,102 core washrooms on campus, the task facing the six-member plumbing crew assigned to eliminate the backlog of maintenance requests and respond to trouble calls is daunting.

Two of the plumbers have been dedicated to attend to trouble calls with the goal of reducing response time to less than two days. The four remaining members work on ongoing repairs and upgrades.

Currently 30 per cent of the washrooms have been serviced under the program which started in January. The initiative will cost $600,000 with completion of the first phase by June 30.

calendar

MARCH 12 THROUGH MARCH 25

SUNDAY, MARCH 12

Chan Centre Concert
Mozart, Schumann and Rachmaninoff Piano Recital. Henri-Paul Sicsic. Chan Centre from 3-5pm. $27 adults; $18 students/seniors. Proceeds to Marek Jablonski Scholarship Fund. Call Ticketmaster 280-3311 or Web site: www.ticketmaster.ca.

MONDAY, MARCH 13

School Of Music Concert
UBC Student Composers. Stephen Chatman. Music Recital Hall at 12:30pm. Call 822-5574.

Mechanical Engineering
Starting Hi-Tech Companies: Advice From A Recent Mech Graduate. Brent Bolleman, principal, Sonigistix and Elaho Wireless. CEME 1204 at 3:30pm. Refreshments. Call 822-3770.

IAM/PIMS Distinguished Colloquium
Non-Linear Science: Past, Present And Future. Prof. Alwyn Scott, Mathematics, U of Arizona. Klinck 301 at 3:30pm. Call 822-4584.

Commonwealth Day Celebration
International House from 5:30-9pm. $10 students; $20 non-students. Commonwealth food and entertainment. Call 822-5021.

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

Regent College Public Lecture
Desire Of The Everlasting Hills: The World Before And After Jesus. Thomas Cahill, author. Regent College Chapel at 7:30pm. Booksigning to follow. Call 224-3245.

Theatre At UBC
Life And A Lover. Natalie Meisner. Frederic Wood Theatre at 7:30pm. Continues to March 18. $16; $10 student/seniors. Call 822-2678.

TUESDAY, MARCH 14

Lectures In Modern Chemistry
From Vampires To Treatments For Devastating Diseases. Prof. David Dolphin. Chemistry B-250 at 1pm. Refreshments at 12:40pm. Call 822-3057.

Oceanography Seminar
Non-Linear Principal Component Analysis Of Climate Data. Adam Monahan, Earth and Ocean Sciences. BioSciences 1465 at 3:30pm. Call 822-3278.

Statistics Seminar
Fast Computation Of Depth Contours. Raymond T. Ng, Computer Science. Klinck 301 from 4-5:30pm. Refreshments, bring your own mug. Call 822-0570.

Equality/Security/ Community Colloquium
Comparable Worth Comes To The Private Sector: The Case Of Ontario. Nicole Fortin, Economics. Green College at 4pm. Web site www.arts.ubc.ca/cresp/. Call 822-1878.

Green College Speaker Series
Entirely Unexpected: A Sneak Preview Of The Upcoming Production, The Woodcarver's Wife. Patricia Badir, English. Green College at 5pm. Reception from 6-6:30pm. Call 822-1878.

St. John's College Speaker Series
Gendered Careers: Canadian Women And Science, 1890-1970. Prof. Mariane Ainley, UNBC. St. John's College 1080 at 5:15pm. Call 822-8781.

Museum Of Anthropology Opening Reception
An Exhibit Of Contemporary Works. First Nations Artists. MOA at 7pm. Continues to mid-Oct. Call 822-5087.

University Women's Club General Meeting
IFUW Conference. Mary Plant. University Women's Club, Hycroft, 1489 McRae Ave. at 7:30pm. Call 731-4661.

Chalmers Institute Seminar
The Spirituality Of Christian Song. St. David's United Church, 1525 Taylor Way, West Vancouver from 7:30-9:30pm. $35 series; $10/session. To register call 922-3461.

WEDNESDAY, MARCH 15

Leon And Thea Koerner University Lecture Master's Series
Open Poetry Workshop. Veronica Volkow; George McWhirter, editor/poetry instructor; Open Literary Translation Workshop. Various speakers. Thea Koerner House 200 from 10:30am-12:30pm. Call 822-3024.

Asian Studies Noon Lecture Series
The Cult Of The Great Peacock And The Evolution Of The Buddhist Tantras. J.F. Marc des Jardins. Asian Centre 604 at 12:30pm. Call 822-9266.

Another Look At Human Development Colloquium
Child Development As A Lifelong Determinant Of Health. Clyde Hertzman, Health Care and Epidemiology. Scarfe 278 from 12:30-1:20pm. Call 822-5232.

Centre For Research In Women's Studies Colloquium
Violence Against Women: Learning From Teaching. Stanley French, Concordia U. Women's Studies lounge from 12:30-1:30pm. Call 822-9173.

Peter Wall Institute Weekly Colloquium
Models Of Moral Responsibility. Prof. John Fischer, Philosophy, U of California. University Centre 307 from 12:30-1:30pm. Call 822-2621.

Wednesday Noon Hour Concert
Diversions. Music Recital Hall at 12:30pm. $3 at the door. Call 822-5574.

School Of Nursing Rounds
Early Labour Assessment And Support At Home: A Randomized Controlled Trial. Patti Janssen, Centre for Community Child Health And Health Evaluation. UBC Hosp., Koerner Pavilion T-206 from 3-4pm. Call 822-7453.

Geography Outreach Seminar
Can Housing Affect Your Health? Jim Dunn. Richmond Nature Park at 7:30pm. Refreshments. Call 822-3534; 273-7015.

Earth And Ocean Sciences Colloquium
Comparison Of Lithospheric Structures Across The Alaskan And Canadian Cordillera. Ron Clowes. GeoSciences 330-A at 12:30pm. Call 822-3278.

Centre For Feminist Legal Studies
Academic Equity, Anti-Harassment Policies And Backlash. Hester Lessard, associate professor, Law, U of Victoria. Curtis 157 from 12:30-2pm. Call 822-6523.

Fine Arts Lecture
Thinking Possible Futures: The Network Society And The Coloniality Of Being. Prof. Walter Mignolo, Duke U. Lasserre 102 from 12:30-2:30pm. Call 822-2757.

UILO Seminar
The Start-Up Stage: They Say My Baby's Ugly! Various speakers. For-Sciences 1005 from 4-6pm. To register www.uilo.ubc.ca; call 822-8580.

Centre For Applied Ethics Colloquium
How We Deserve. David Schmidtz, Philosophy, U of Arizona. Angus 413 from 4-6pm. Call 822-8625.

Chalmers Institute Seminar
Religious Leadership In A Secular Society. Lois M. Wilson. VST Epiphany Chapel at 7:30pm. E-mail: cl@vst.edu; call 822-9815.

St. John's College Speaker Series
Theory And Practice In Contemporary Biology. Evelyn Fox Keller, Science, Technology and Society, MIT. St. John's College Fairmont Social Lounge at 7:30pm. Call 822-8781.

FRIDAY, MARCH 17

Pediatric Grand Rounds
The Many Faces Of Cystic Fibrosis: Insights Into Phenotypic Heterogeneity. Dr. Peter Durie, U of Toronto. GF Strong Aud. from 9-10am. Call 875-2307.

Health Care And Epidemiology Seminar
Mental Health Reform In British Columbia. Alex Berland, Riverview Hosp.. Mather 253 from 9-10am. Paid parking available in Lot B. Call 822-2772.

THURSDAY, MARCH 16

Board Of Governors' Meeting
Open Session Begins At 8am. OAB Board and Senate Room. Fifteen tickets are available on a first-come, first-served basis on application to the board secretary at least 24 hrs. before each meeting. To confirm date and time, check "Board announcements" at www.bog.ubc.ca. Call 822-2127.

Institute For European Studies
World Trade After Seattle: A European Perspective. John Beck, former EU ambassador to Canada. Buchanan B Penthouse from 12noon-2pm. Light lunch. Call 822-1452.

Science First! Lecture
Urban Countryside—Rural Metropolis. Dean Moura Quayle, Agricultural Sciences. Wesbrook 100 at 12:30pm. Call 822-3336.

Chalmers Institute Seminar
Freedom Of Religion In China. Lois M. Wilson. VST Boardroom from 10-11:30am. Bring your lunch, offering. E-mail: cl@vst.edu; call 822-9815.

St. John's College Speaker Series
Patterns In Asian Philanthropy. Peter Geithner. St. John's College 1080 at 10am. Call 822-8781.

Chalmers Institute Seminar
Freedom Of Religion In China. Lois M. Wilson. VST Boardroom from 10-11:30am. Bring your lunch, offering. E-mail: cl@vst.edu; call 822-9815.

Fish 500 Seminar
Behavioral Aspects Of The Foraging Strategies Of Captive Juvenile Steller Sea Lions (Eumetopias Jubatus) Feeding On School Fish And Their Prey's Behavioral Responses. Olivier Cheneval, Marine Mammal Research Unit. Hut B-8, Ralf Yorque Room at 11:30am. Refreshments at 11am. Call 822-2731.

St. Patrick's Day Fashion Show
Food And Fashion. University Women's Club, Hycroft, 1489 McRae Ave. from 12noon-3pm. Call 731-4661.

Chemoprevention Group Seminar
Molecular Markers Of Prostate Carcinogenesis. William Grizzle, U of Alabama. BC Cancer Research Centre lecture theatre from 12:30-1:30pm. Call Dr. Neal Poulin 877-6098, local 3055.

Occupational And Environmental Hygiene Seminar
The Interface Between The Occupational Medical Consultant And The Occupational Hygiene Consultant. Neva Hilliard, adjunct professor. UBC Hosp., Koerner Pavilion G-279 from 12:30-1:30pm. Call Kathryn Lewis 822-9861; Dr. Murray Hodgson 822-3073.

Arnold & Nancy Cliff Writer-In-Residence Reading
Veronica Volkow; Victor Manuel Mendiola, translator; Sylvia Dorling. Frederic Wood Theatre at 12:30pm. Call 822-3024.

Peter Wall Institute Exploratory Workshop
Migration From Asia: China Processes Of Migration And Impact Of Emigration On Sending Societies. Various speakers. Peter Wall Institute University Centre 307 at 1pm. Open session March 18 at 1pm. Call 822-5194.

Mathematics Colloquium
Length Of Commutators In Groups. Prof. Akbar Rhemtulla, U of Alberta. Math 100 at 3:30pm. Refreshments Math Annex 1115 at 3:15pm. Call 822-2666.

Chemical And Biological Engineering Seminar
Electrostatic Charging In Fluidized Beds. Alissa Park. ChemEng 206 at 3:30pm. Call 822-3238.

School Of Music Concert
UBC Chamber Strings. Andrew Dawes; Eric Wilson. Chan Centre at 8pm. Call 822-5574.

SATURDAY, MARCH 18

Vancouver Institute Lecture
Through A Glass Darkly: A Physicist Looks At The Future. Prof. Walter Kohn, Nobel laureate in chemistry, Physics, U of California. IRC#2 at 8:15pm. Call 822-3131.

MONDAY, MARCH 20

Ritsumeikan University Japanese Lunch Hour
International House upper lounge from 12:30-1:30pm. Lunch, snacks and crafts. Call 822-5021.

School Of Music Concert
UBC Percussion Ensemble. Sal Ferreras. Music Recital Hall at 12:30pm. Call 822-5574.

European Writers' Festival
TBA. Bjorn Larsson, writer. Buchanan B Penthouse from 12:30-2pm. Call Prof. Peter Stenberg 822-5158.

Mechanical Engineering
Tools For Numerical Solution Of PDE's by Non-Experts. Carl Ollivier-Gooch, assistant professor. CEME 1204 at 3:30pm. Refreshments at 3:25pm. Call 822-3770.

Biochemistry And Molecular Biology Seminar
Proton Transfer In A Membrane Protein Complex: The Reaction Of Centre Of R. Sphaeroides. Mark Paddock, Physics, U of California. IRC#4 at 3:45pm. Refreshments at 3:30pm. Call 822-3178.

Science And Society
Public Interest Science: Why, How, What, And When? Carolyn Raffensperger, executive director, Science and Environmental Health Network. Green College at 7:30pm. Call 822-1878.

TUESDAY, MARCH 21

Institute For European Studies
Skinheads, Soccer Hooligans And Neighborhood Gangs: Youth Violence In Unified Germany. Prof. Joachim Kersten, Northwestern U. Buchanan penthouse from 12noon-2pm. Light lunch. Call 822-1452.

Botany Seminar
Regulation Of Sulfate Transport In Plants. John Vidmar. BioSciences 2000 from 12:30-2pm. Call 822-2133.

Sing Tao School Of Journalism Special Lecture
Brown Bag Lunch: How To Become A Really Great Interviewer. Jennifer Hunter, Vancouver bureau chief, *Maclean's*. Sing Tao 104 from 12:30-2pm. Call 822-6688.

Bio-Mega Boehringer Ingelheim Research Lecture
Molecular Recognition Meets Molecular Neurobiology: Cation-Pi Interactions At The Nicotine Receptor. Prof. Dennis A. Dougherty, California Institute of Technology. Chemistry B-250 at 1pm. Refreshments. Call 822-3057.

Oceanography Seminar
Toxic Algae And Viruses. Janice Lawrence. BioSciences 1465 at 3:30pm. Call 822-3278.

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. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space. Deadline for the March 23 issue of *UBC Reports*—which covers the period March 26 to April 8—is noon, March 14.

FEATURE

A celebration of UBC authors

From CD-ROMs to the Internet, UBC authors write up a storm

Stories by Bruce Mason, staff writer

UBC Library staff (l-r) Margaret Friesen, staff training and development co-ordinator, Catherine Quinlan, university librarian and Timothy Shew, first-year Arts student and Main Library student assistant, pose with some of the new works by UBC authors. They include Shakespeare on-line, a conference on CD-ROM and a hit movie. "Every year is different," says Friesen, who has worked on all 10 of UBC's annual Celebration of Authors, "but the scope and depth of research is always staggering." *Bruce Mason photo*

New media takes readers, authors beyond the page

Varied and diverse works by authors across campus take centre stage at the 10th annual Celebration of Authors

UBC AUTHORS HAVE SEEN the future of books and it's not what it used to be.

In fact Gutenberg is probably rejoicing in his grave and stopping his presses. New media are now grasping his dream of rapidly and effectively transmitting information and knowledge.

Electronic books, videos and CD-ROMs are among the 135 titles completed by 135 university authors in 1999. VCRs, computers and CD players will make their first appearance at the 10th annual Celebration of UBC Authors in the Great Hall of the First Nations House of Learning, Tuesday, March 21 from 4:30 p.m. to 6 p.m.

"Obviously, traditional print material predominates in our community of scholars and writers and in our display of their works," says University Librarian Catherine Quinlan. "But we also want to share work being done at UBC in some fascinating and important new media."

Expect to see CD-ROMs which do more than books.

There will be videos such as *Mobilizing for Growth: Entrepreneurship Within Companies*, scripted and narrated by Commerce and Business Administration Dean Daniel Muzyka.

Renowned pianist Robert Silverman has released Rachmaninoff's Piano Sonatas on CD.

Some in the university community are capitalizing on the publishing phenomena of small press runs and self-publishing.

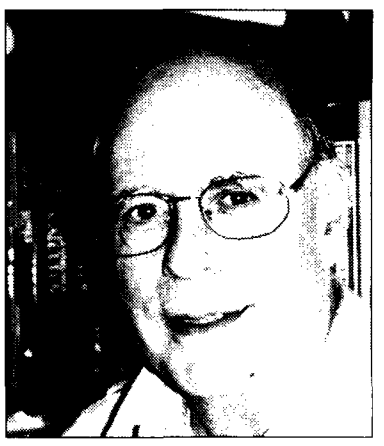
There are wise books by our elders and books of beauty, including horticulturist Colin Varner's *Gardens in Vancouver.*

The event—hosted by Quinlan and UBC President Martha Piper—celebrates a remarkable diversity of achievements and provides an opportunity to meet authors. It also recognizes the central role played by UBC's 13 libraries, including three hospital libraries.

see New media page 6

Numbers crunched worldwide by text

Life changed when publishers came knocking



Mathematics Prof. Robert Adams

ROBERT ADAMS has influenced a generation of students.

The fourth edition of the Mathematics professor's calculus instruction, *Calculus: A Complete Course*, is made up of three textbooks, four manuals and a CD-ROM. Another Italian translation has just arrived.

The texts are used extensively in northern European and Scandinavian countries, Turkey, Italy, Canada and the U.S. Adams hadn't calculated any of this when he joined UBC's faculty 34 years ago.

"We were using a text which was going out of print. It was getting more and more difficult to get, so I began making notes," he recalls. Publishers came knocking and Adams began writing. The first edition was published in 1982.

"I had published a book of which I am most proud, *Sobolev Spaces*, in 1975," he says with a grin. "A colleague said writing the text was unforgivable because anyone who wrote a second book obviously hadn't learned from the difficulty of the first."

He has perfected his work over two decades, adding new exercises and topics to the second edition, undertaking major revisions to the third to make it "easier to get at and more user-friendly." More attention has been paid to calculators and computers. The new edition, he says, contains "intermediate revisions."

Adams does it all. He typesets his texts and produces the artwork using graphics software he developed with colleague Assoc. Prof. Robert Israel.

"I'm responsible for every drop of ink on each page," he says.

The new CD-ROM allows instructors to put solutions on the Internet easily and make full-size transparencies of the thousands of figures for lectures.

Some people will always have trouble with calculus Adams has concluded. Even those with a grounding from high school may have difficulty making the transition "from doing the calculations, to understanding what they are doing—something we expect by Christmas in the first year."

He served as assistant dean of Science from 1975 to 1985 and says that and his commitment to his texts made "mincemeat" of his research career.

"Working on them has made me a better teacher and looking back it has been a very good experience with major rewards."

Sobolev Spaces remains a unique, world-class work, but Adams, who will retire at the end of the year, says his texts are his real contribution.

Script lights up film world

A delicious comedy feeds a growing cinematic appetite

WHEN DID Sharon McGowan know Better Than Chocolate would be a hit film? As soon as she saw the script.

The screenplay by Creative Writing Asst. Prof. Peggy Thompson was produced by McGowan, an assistant professor in the Film Program.

Distributors predict that by the time television and video revenues are tallied the independent film will have earned a very sweet $10 million (US).

"Hey, I'm a trained professional," says McGowan with a smile, "and I thought it would do at least that well."

The pair had found earlier success in video and TV with The Lo-

see Script page 6

McGowan (left) and Thompson

When faced with the choice between two volumes weighing seven kilograms and a CD-ROM, many delegates to a conference organized by Asst. Prof. Marcello Veiga (left) and Prof. John Meech chose light. *Bruce Mason photo*

Mining faculty dig deep in CD-ROM technology

Proceedings of major international conference captured on a single CD

THE MEDIUM IS THE MESSAGE say Mining and Mineral Process Engineering Prof. John Meech and Asst. Prof. Marcello Veiga.

Meech is the driving force behind a series of international conferences which typically attract more than 300 participants from 35 countries. Veiga helped him edit the proceedings of the latest event into two weighty volumes and onto a single CD-ROM.

"We wanted the proceedings available at the conference. By using our Web site www.mining.ubc.ca/ipmm/ we were able to obtain all submissions and to peer review them well in advance," says Meech. "The books weigh about seven kilos and many delegates left them behind after placing the CD-ROM into their pocket."

"The electronic version of *The Proceedings of the Second International Conference on Intelligent Processing and Manufacturing of Materials* (IPMM) is an attempt to improve the delivery of knowledge," says Veiga. "For example, every paper contains an e-mail link allowing the reader to contact the authors directly for additional information."

"There are other advantages as well, including cost-effectiveness —about one-third the cost of a hard-copy publication," adds Meech.

"The CD-ROM provides direct links to our sponsors' Web sites and with the conference being held in Hawaii, we were even able to include spectacular photos of the colourful scenery to help capture the spirit of the event."

At the conferences, experts from a wide variety of disciplines and backgrounds in engineering and science discuss everything from atomistic and molecular modelling to the control of robots in remote locations such as underground mines and outer space.

The third conference is scheduled for Vancouver in July 2001 with the theme "Cross-Disciplinary Research: An Essential Ingredient for Innovation."

By then, intelligent processing and manufacturing of materials will have continued its significant progress. Meech and Veiga intend the CD-ROM for IPMM 2001 to keep pace by including sound, animations and video.

New media on upswing

Continued from page 5

"We can take great pride in the work presented here," says President Piper, "since it reflects both the breadth and the excellence of UBC scholarship.

"This celebration is an important reminder that our university is a major research centre and makes a significant contribution to the advancement of knowledge in many fields."

Members of the English Dept. contributed 21 titles by 20 authors and two books from the Creative Writing Dept. — Assoc. Prof. Keith Maillard's *Gloria* and Creative Writing sessional instructor Anne Fleming's *Pool-hopping and Other Stories*—were nominated for Governor General's Awards.

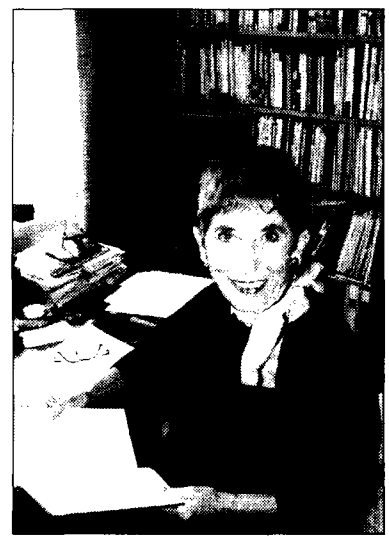
Nineteen authors in the Faculty of Education completed a total of 14 books.

Prolific professors emeritii—who often remark that they now have time for writing—number 10 authors and 12 titles.

Ten authors in Medicine published eight books.

'Retired' professor has Havel of a time

Time to write a necessity to both a professor and her subject, Vaclav Havel



Marketa Goetz-Stankiewicz

"I KNOW EVERYTHING YOU have written," Marketa Goetz-Stankiewicz told Vaclav Havel in 1975 in the first of several secret and dangerous meetings.

The Germanic Studies and Comparative Literature professor emerita wasn't present though when her latest book, *Critical Essays on Vaclav Havel*, was presented to the president of the Czech Republic on his visit to Canada last year.

"It would have been wonderful to see him again and personally give him a copy of the book," she says. "But, ironically, I couldn't fit a trip to Winnipeg into my busy schedule."

Her previous books and essays on Czech plays and underground writing had attracted the attention of Phyllis Carey in Milwaukee, who asked her to co-edit the volume of critical essays.

"It would be my first collaboration and an opportunity to survey different voices and opinions, especially from North America. Besides, I can read Czech and Phyllis can't."

To Goetz-Stankiewicz, Havel is four people: a playwright, a dissident, a prisoner and a president.

"He wrote plays in the '60s and essays in the '70s which gave a profound voice to the struggle of individuals in a totalitarian regime.

"When he was incarcerated from 1978-83 he was all but silenced. Still, he wrote to his wife once a month and *Letters to Olga* is a magnificent collection of philosophical essays. These are documents from a free mind, so subtle and far-reaching that censors couldn't understand them.

"Suddenly in the '90s this peace-loving and shy, gentle little man was catapulted into the presidency where he says writing his own speeches kept him sane.

"This is a modest little book, but it does its job," says Goetz-Stankiewicz who also contributed an essay for a companion book, *Critical Essays on Milan Kundera*, edited by colleague Slavonic Languages Prof. Peter Petro.

"I am now writing something of my own on Vaclav Havel," she says. "For me, he represents a consistency of thought and action which seem so clear and trenchant in this somewhat crazy and confused world."

Script a hit

Continued from page 5

tus Eaters and Thompson is well known for writing which resonates with audiences, says McGowan. The subject was appealing—the lesbian love story had a niche audience, theatricality and comedy, which increased its chances of crossing over into mainstream audiences and major theatres.

Thompson also co-produced the film, which was directed by Anne Wheeler. It earned rave reviews in *The New York Times, Variety, The Los Angles Times*—in fact worldwide. The international film market is one of the most fierce in the global economy.

"The script has replaced the novel in every would-be-writer's top drawer," says Thompson. "Obviously each has its own requirements and demands. Novels are internal and have multiple points of view.

"The movie script is much more than a blueprint for an audience's experience," she adds. "It is also a blueprint for a process which may involve hundreds of people."

Thompson says there was one Vancouver film crew when she got started in the business in the early 80s. Now there are more than 70.

The US filmmaking industry, which has now topped the $1-billion-dollar mark for Vancouver productions, is providing technical jobs and raising awareness and excitement.

UBC has expanded its programs related to films. Creative Writing and Theatre students as well as Film students are keenly interested in establishing rewarding careers.

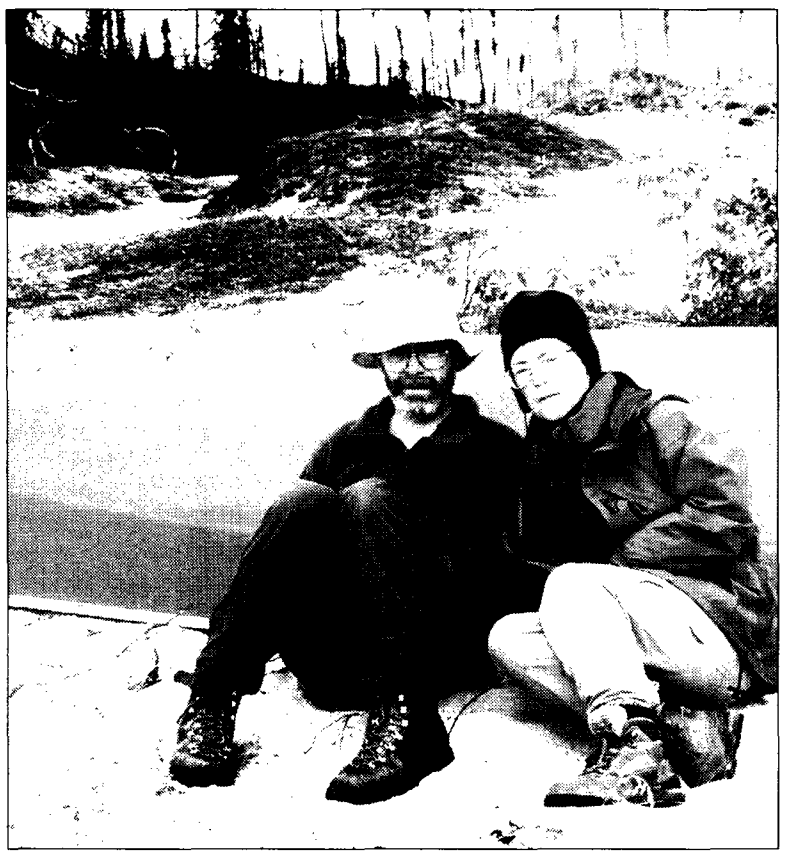
There is a very high level of achievement in UBC's film community, say McGowan and Thompson.

Creative Writing head Assoc. Prof. Linda Svendsen's acclaimed book of short stories *Marine Life* has just been filmed by director Anne Wheeler and stars Cybill Shepherd.

Noted filmmakers who graduated from UBC include Mina Shum, Bruce Sweeney, Lyn Stopkowich and John Poser.

"There is a downside to Hollywood North," says Thompson. "Films are getting expensive to shoot in Vancouver."

"That's where we come in," says McGowan. "The university community has an unprecedented opportunity to engage in Canadian filmmaking as artists and educators."



On their latest adventure, ITServices manager Kathleen Pitt and husband Michael, an associate professor in Plant Science, trekked and canoed their way down Northern Canada's Thelon River. Then, still under their own steam, they captured the experience for armchair travellers . *Michael Pitt photo*

Determined pair paddle own canoe

A 950-kilometre journey was the jump-off point for an odyssey into publishing

KATHLEEN AND MICHAEL PITT paddled a canoe for 950 kilometres then set off on another adventure which would prove equally challenging—publishing.

"We kept separate diaries and wanted to combine them in a book," recalls Kathleen, manager of Voice Services, ITServices. "But we learned very quickly that publishers weren't interested."

"Their reactions were disappointing even though somewhat predictable," says Michael, an associate professor of Plant Science. "We were advised that unless your surname is Berton or Mowat, there is a very small market for a narrative of a canoe trip."

From personal experience the couple knew that the experts were missing the point. Their slide shows on previous adventures were in high demand and most in the audiences weren't contemplating any adventure beyond their armchairs.

The stuff of the presentations and book is their feelings, their relationship and other matters that transcend the wilderness. The appeal is wider and deeper than traditional outdoor books.

"We thought *Three Seasons in the Wind: 950 Kilometers by Canoe Down Northern Canada's Thelon River* would interest readers who never stop at the adventure section of bookstores," says Kathleen.

"It's really about contemplating a challenge and confronting the unknown," adds Michael.

Facing figurative whitewater, they charted a course of their own. They would publish the book themselves.

Last September, through Kathleen's professional contacts, they found an on-line, on-demand publisher. The first 500 books quickly sold out and media called from Valdez, Alaska to Los Angeles.

Quick success and interest from Chapters bookstore convinced them to form their own publishing company, Hornby House, named for John Hornby, a 1920s icon among northern adventurers.

"He's one of my heroes, even though he starved to death on the Thelon River," says Michael.

Backpackers who wanted to extend their trips by picking up canoeing, the Pitts honed their skills for the 37-day adventure from Lynx Lake, east of Great Slave Lake, to Baker Lake, the geographic centre of Canada.

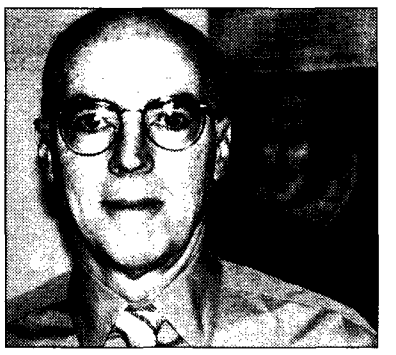
"Since then, we've learned a lot about marketing, distribution and other skills of the book world," says Kathleen. The second edition of *Three Seasons in the Wind*—1,500 copies—has just been printed.

"We're not young, big or strong and we had fears before and during our journey," adds Michael. "The main message of our canoeing and publishing experience is 'Rules are just guidelines—keep on going, keep moving toward your goal.'"

"The main message of our canoeing and publishing experience is 'Rules are just guidelines—keep on going, keep moving toward your goal.'" *Plant Science Assoc. Prof. Michael Pitt*

All Bard's world a Web site

English Prof. Tony Dawson is part of a massive project to put a new Arden edition of Shakespeare's works on-line



English Prof. Tony Dawson

TONY DAWSON ISN'T SURPRISED that Shakespeare was the world's choice for "Man of the Millennium."

The English professor's passion for history's greatest writer began in high school, grew during graduate work at Harvard and flourished in his lectures and research at UBC. He is one of very few experts who focus on the performance of the plays.

But Dawson is slightly amazed to be sharing centre stage and a steep learning curve with two colleagues, who are taking the Bard into a new dimension by putting the prestigious third edition of the Arden Shakespeare on-line.

"Arden is one of two major Shakespeare series and the original idea was to put the plays on CD-ROM," he says, " but it transmogrified into a Web site."

"This edition has a different focus than those published in 1900 and the '50s and '70s," he says. "Our work has a performance orientation and that, along with the fact that it will be so accessible, is very exciting."

Dawson was contacted by Peter Holland, director of the Shakespeare Institute at the University of Birmingham less than two years ago. They began working with Barbara Hodgdon of Drake University in Iowa. Dawson is now completing work on *The Tempest*, the 14th play on the site which will be several years more in the making.

The massive project has sophisticated search engines which will provide access to performance notes, photos, theatre reviews and general introductions, as well as the text and bibliographical apparatus. Video, it was decided, would take up too much memory.

Individual editors produce print texts of each play with notes and apparatus. Dawson, Holland, and Hodgdon add general and performance introductions and the performance materials and co-ordinate the presentation of the augmented text on the Ardenonline Web site.

Gretchen Minton, who recently earned a PhD in English and is an instructor in the Arts One program, has created a chart for each play, listing and providing information on all major productions.

Dawson says academic life has allowed him to combine his interests in performance and the theoretical aspects of scholarship. He has just earned a UBC Killam Research Prize for his contributions.

No stranger to making Shakespeare more accessible, his previous books include *Watching Shakespeare* and *Hamlet in Performance*. They are highly regarded and valued by theatre goers as well as students at every level.

Shakespeare will endure, he says.

"He suggests rather than declares anything absolutely. As a result his work is like a photo negative which can be printed in multiple tones and styles. Shakespeare is endlessly adaptable and malleable."

A celebration of authors, A-Z

ADAMS, ROBERT A. Calcolo differenziale 1. (Single variable calculus.) 2nd ed. Milan, Casa Editrice Ambrosiana, 1999. ADAMS, ROBERT A. Calculus: a complete course. With Student's solutions manual, Instructor's solutions manual, Instructor's CD. 4th ed. Don Mills, Addison-Wesley, 1999. ADAMS, ROBERT A. Calculus of several variables. With Student's solutions manual, Instructor's solutions manual. 4th ed. Don Mills, Addison-Wesley, 1999. ADAMS, ROBERT A. Single-variable calculus. 4th ed. Don Mills, Addison Wesley, 1999. AKLUJKAR, ASHOK N. The theory of nip_tas (particles) in Y_ska's Nirukta. Pune, Bhandarkar Oriental Research Institute, 1999. ARNEIL, BARBARA. Politics and feminism. Oxford, Blackwell, 1999. ARNOVICK, LESLIE K. Diachronic pragmatics: seven case studies in English illocutionary development. Amsterdam, Benjamins, 1999. AUERBACH, KATHLEEN G. and JAN RIORDAN. Clinical lactation: a visual guide. Sudbury, Jones and Barlett, 2000. AYCOCK, SCOTT L., PATRICIA M. MARCHAK, and DEBORAH M. HERBERT. Falldown: forest policy in British Columbia. Vancouver, David Suzuki Foundation, 1999. BADALI, SALVADOR, J., ANNA M. KINDLER, and RENÉE WILLOCK. Between theory and practice: case studies for learning to teach. Scarborough, Prentice Hall Allyn and Bacon Canada, 1999. BARMAN, RODERICK J. Citizen emperor: Pedro II and the making of Brazil, 1825-1891. Stanford, Stanford University Press, 1999. BARNES, TREVOR J. and MERIC S. GERTLER, eds. The new industrial geography: regions, regulation and institutions. London and New York, Routledge, 1999. BATES, TONY. Managing technological change: strategies for college and university leaders. San Francisco, Jossey-Bass, 2000. BERNHARDT, BARBARA HANDFORD and JOSEPH P. STEMBERGER. Workbook in nonlinear phonology for clinical application. Austin, Pro-Ed, 2000. BORAKS-NEMETZ, LILLIAN. The sunflower diary. Montreal, Roussan, 1999. BOSE, MANDAKRANTA, ed. Faces of the feminine in ancient, medieval, and modern India. New York, Oxford University Press, 1999. BOWEN, LYNNE. Robert Dunsmuir: laird of the mines. Montreal, XYZ, 1999. BOYD, PHILIP W. and PAUL JAMES HARRISON, eds. Canadian JGOFS [Joint Global Ocean Flux Study] in the NE Subarctic Pacific. Oxford, Pergamon Press, 1999. BOYD, SUSAN B., JOSÉE BOUCHARD, and ELIZABETH A. SHEEHY. Canadian feminist literature on law: an annotated bibliography. Toronto, University of Toronto Press, 1999. BOYLE, CHRISTINE, MARILYN T. MACCRIMMON, and DIANE MARTIN. The law of evidence: fact finding, fairness, and advocacy. Toronto, Emond Montgomery, 1999. BRINTON, LAUREL J. and MINOJI AKIMOTO, eds. Collocational and idiomatic aspects of composite predicates in the history of English. Amersterdam, John Benjamins, 1999. BULLOCK, MICHAEL H., trans. The city in the egg. (Cite dans l'oeuf.) [Michel Tremblay]. Vancouver, Ronsdale Press, 1999. BULLOCK, MICHAEL H. Erupting in flowers: poems. Vancouver, Rainbird Press, 1999. CALNE, DONALD B. Within reason: rationality and human behavior. New York, Pantheon Books, 1999. CARTER, BETTY JOYCE. Who's to blame? child sexual abuse and non-offending mothers. Toronto, University of Toronto Press, 1999. CHALYKOFF, LISA, SHERRILL GRACE, and EVE D'AETH, eds. Staging the North: 12 Canadian plays. Toronto, Playwrights Canada Press, 1999. CHAPMAN, MARY MEGAN, ed. Ormond, or, The secret witness. [Charles Brockden Brown]. Peterborough, Broadview Press, 1999. CHAPMAN, MARY MEGAN and GLENN HENDLER, eds. Sentimental men: masculinity and the politics of affect in American culture. Berkeley, University of California Press, 1999. CLARK, PENNEY. Canada revisited 7. Calgary, Arnold, 1999. COREN, STANLEY. Aijou no ii inu, warui inu: shippai shinai inu erabi no kotsu. (Why we love the dogs we do.) Tokyo, Bungeishunju, 1999. COREN, STANLEY. Din intelligente hund. (The intelligence of dogs.) Copenhagen, Borgen, 1999. COREN, STANLEY and J. WALKER. Tetsugakusha ni natta inu? (What do dogs know?) Tokyo, Bungeishunju, 1999. COREN, STANLEY. Die unausgeschlafene Gesellschaft. (Sleep thieves.) Hamburg, Rowholt, 1999. CREESE, GILLIAN LAURA. Contracting masculinity: gender, class, and race in a white-collar union, 1944-1994. Don Mills, Oxford University Press Canada, 1999. CURRIE, DAWN H. Girl talk: adolescent magazines and their readers. Toronto, University of Toronto Press, 1999. CURRIE, NOEL E., KEVIN MCNEILLY, WILLIAM H. NEW, and WILLIAM E. MESSENGER, eds. Currents: stories, essays, poems, and plays. 2nd ed. Scarborough, Prentice Hall, 2000. DALE, ANN and J.T. Pierce, eds. Communities, development, and sustainability across Canada. Vancouver, UBC Press, 1999.

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A celebration of authors, A-Z

Continued from page 7

DAWSON, ANTHONY B., ed. Arden*online* (Arden Shakespeare 3 series). (Computer file.) URL: http://ardenshakespeare.com/ardenonline/home.html. London, Thomson Learning Europe, 1999. DE SILVA, CLARENCE W. Vibration: fundamentals and practice. Boca Raton, CRC Press, 2000. DICKINSON, PETER. Here is queer: nationalisms, sexualities, and the literatures of Canada. Toronto, University of Toronto Press, 1999. DU GAS, BEVERLY WITTER, LYNNE ESSON, and SHARON E. RONALDSON. Nursing foundations: a Canadian perspective. 2nd ed. Scarborough, Prentice Hall Canada, 1999. EGAN, SUSANNA. Mirror talk: genres of crisis in contemporary autobiography. Chapel Hill, University of North Carolina Press, 1999. ESSON, LYNNE, BEVERLY WITTER DU GAS, and SHARON E. RONALDSON. Nursing foundations: a Canadian perspective. 2nd ed. Scarborough, Prentice Hall Canada, 1999. FISHER, DONALD and THERESA R. RICHARDSON, eds. The development of the social sciences in the United States and Canada: the role of philanthropy. Stanford, Ablex, 1999. FLEMING, ANNE. Pool-hopping and other stories. Victoria, Polestar, 1998. FOSTER, JOHN WILSON, ed. Titanic. London, Penguin, 1999. GLEASON, MONA LEE. Normalizing the ideal: psychology, schooling, and the family in postwar Canada. Toronto, University of Toronto Press, 1999. GOETZ-STANKIEWICZ, MARKETA and PHYLLIS CAREY, eds. Critical essays on Vaclav Havel. New York, G.K. Hall, 1999. GRACE, SHERRILL, ed. Satan in a barrel and other early stories. [Malcolm Lowry]. Edmonton, Juvenilia Press,1999. GRACE, SHERRILL, LISA CHALYKOFF, and EVE D'AETH, eds. Staging the North: 12 Canadian plays. Toronto, Playwrights Canada Press, 1999. GRIFFITHS, ANTHONY J.F. Kidscience: real science your child can do. Vancouver, APASF., 1999. GRIFFITHS, ANTHONY J.F. Modern genetic analysis. New York, W.H. Freeman, 1999. HARRISON, PAUL JAMES and PHILIP W. BOYD, eds. Canadian JGOFS [Joint Global Ocean Flux Study] in the NE Subarctic Pacific. Oxford, Pergamon Press, 1999. HATCH, RONALD B. and JAIHIUN KIM, trans. Love's silence and other poems. [Yong-un Han]. Vancouver, Ronsdale Press, 1999. HAYCOCK, KENNETH ROY, ed. Foundations for effective school library media programs. Englewood, Libraries Unlimited, 1999. HEALEY, MICHAEL., ed. Seeking sustainability in the Lower Fraser Basin: issues and choices. Victoria, Western Geographical Press, 1999. HERBERT, DEBORAH M., PATRICIA M. MARCHAK, and SCOTT L. AYCOCK. Falldown: forest policy in British Columbia. Vancouver, David Suzuki Foundation, 1999. HERTZMAN, CLYDE and DANIEL P. KEATING, eds. Developmental health and the wealth of nations. New York, Guilford Press, 1999. HODGSON, ELIZABETH M.A. Gender and the sacred self in John Donne. Newark, University of Delaware Press, 1999. HUMPHREY, ELAINE, SHAR LEVINE, and LESLIE JOHNSTONE. 3-D bees and micro fleas. New York, Somerville House Books, 1999. HUMPHREY, ELAINE, SHAR LEVINE, and LESLIE JOHNSTONE. 3-D lungs and micro tongues. New York, Somerville House Books,1999. HYMEL, SHELLEY and KEN J. ROTENBERG, eds. Loneliness in childhood and adolescence. New York, Cambridge University Press, 1999. INNES, JOHN L., MARTIN BENISTON, and MICHEL M. VERSTRAETE, eds. Biomass burning and its inter-relationships with the climate system. Boston, Kluwer Academic Publishers, 1999. INNES, JOHN L. and J. OLEKSYN, eds. Forest dynamics in heavily polluted regions. Oxon, CABI, 1999. IRVINE, ANDREW D., JOHN WOODS, and DOUGLAS WALTON. Argument: critical thinking, logic, and the fallacies. With Instructor's manual and transparency masters. Toronto, Prentice Hall, 2000. IRWIN, RITA L. and ANNA M. KINDLER, eds. Beyond the school: community and institutional partnerships in art education. Reston, National Art Education Association, 1999. ISRAEL, ROBERT BRIAN. Calculus: the maple way. 2nd ed. Don Mills, Addison-Wesley, 1999. JAMIESON, JANET R., ELIZABETH A. JORDAN, and MARION PORATH. Problem-based learning in inclusive education. Scarborough, Prentice-Hall, 2000. JOBE, RON and MARY DAYTON-SAKARI. Reluctant readers: connecting students and books for successful reading experiences. Markham, Pembroke, 1999. JOHNSON, GRAHAM EDWIN and GLEN D. PETERSON. Historical dictionary of Guangzhou (Canton) and Guangdong. Lanham, Scarecrow Press, 1999. JORDAN, ELIZABETH A., JANET R. JAMIESON, and MARION PORATH. Problem-based learning in inclusive education. Scarborough, Prentice-Hall, 2000. KINDLER, ANNA M., SALVADOR J. BADALI, and RENÉE WILLOCK. Between theory and practice: case studies for learning to teach. Scarborough, Prentice Hall Allyn and Bacon Canada, 1999. KINDLER, ANNA M. and RITA L. IRWIN, eds. Beyond the school: community and institutional partnerships in art education. Reston, National Art Education Association, 1999. KRISHNAMURTI, C.R. Thamizh literature through the ages: a socio-cultural perspective. Pondicherry, Radhika, 1998. LAM, RAYMOND W. and ANTHONY J. LEVITT, eds. Canadian consensus guidelines for the treatment of seasonal affective disorder. Vancouver, Clinical and Academic Publishers, 1999. LASKOWSKI, J.S., ed. Polymers of mineral processing. Montreal, Canadian Institute of Mining, Metallurgy and Petroleum, 1999. LEGGO, CARLETON DEREK. View from my mother's house. St. John's, Killick Press, 1999. LIGHTHALL, LYNNE and ELEANOR HOWE, eds. Unleash the power! knowledge-technology-diversity: papers presented at the third international forum on research in school librarianship. Seattle, IASL, 1999. LINDSTROM, SANDRA C. and RITA M. O'CLAIR. North Pacific seaweeds. Auke Bay, Plant Press, 1999. LYNN, KYUNG-HEE, compiler. Taiheiyo e no Kakehashi: Kanada nishikaigan - wakamono no koe. (A bridge over the Pacific: young voices of Canada's West Coast.) Vancouver, British Columbia Japanese Speech Contest. The Tenth Anniversary Publication Committee, 1999. MACCRIMMON, MARILYN T., CHRISTINE BOYLE, and DIANE MARTIN. The law of evidence: fact finding, fairness, and advocacy. Toronto, Emond Montgomery, 1999. MACENTEE, MICHAEL I. The complete denture: a clinical pathway. Chicago, Quintessence, 1999. MACNAB, ANDREW J., DUNCAN J. MACRAE, and ROBERT J. HENNING, eds. Care of the critically ill child. London, Churchill Livingston, 1999. MAILLARD, KEITH. Gloria. Toronto, HarperFlamingoCanada, 1999. MARCHAK, M. PATRICIA, SCOTT L. AYCOCK, and DEBORAH M. HERBERT. Falldown: forest policy in British Columbia. Vancouver, David Suzuki Foundation, 1999. MARCHAK, M. PATRICIA and WILLIAM MARCHAK. God's assassins: state terrorism in Argentina in the 1970s. Montreal, McGill-Queen's University Press, 1999. MAUZY, DIANE K. and ROBERT STEPHEN MILNE. Malaysian politics under Mahathir. London, Routledge, 1999. MCADAM, DONALD W. and ROGER WINN. Engineering graphics: a problem-solving approach. Don Mills, Addison-Wesley Longman, 1999. MCGOWAN, SHARON, producer, and PEGGY THOMPSON, screenwriter and co-producer. Better than chocolate: a delicious comedy. (Video.) With the original motion picture soundtrack. (Compact disc.) Rave Film Inc., 1999. MCNEILL, JOHN H., ed. Experimental models of diabetes. Boca Raton, CRC Press LLC, 1999. MCNEILLY, KEVIN, NOEL E. CURRIE, WILLIAM H. NEW, and WILLIAM E. MESSENGER, eds. Currents: stories, essays, poems, and plays. 2nd ed. Scarborough, Prentice Hall, 2000. MCWHIRTER, GEORGE, ed. Where words like monarchs fly: a cross-generational anthology of Mexican poets (1934-1955) in translations from north of the 49th parallel. Vancouver, Anvil, 1998. MEECH, JOHN A. and MARCELLO VEIGA, eds. Proceedings of the second international conference on intelligent processing and manufacturing of materials. Piscataway, IEEE, 1999. MERIVALE, PATRICIA and SUSAN ELIZABETH SWEENEY, eds. Detecting texts: the metaphysical detective story from Poe to postmodernism. Philadelphia, University of Pennsylvania Press, 1999. MESSENGER, WILLIAM E., KEVIN MCNEILLY, NOEL E. CURRIE, and WILLIAM H. NEW, eds. Currents: stories, essays, poems, and plays. 2nd ed. Scarborough, Prentice Hall of Canada, 2000. MILLER, ROBERT ALVIN. Hermès et Aminadab: essai d'herméneutique littéraire. Toronto, Editions Paratexte, 1999. MILNE, ROBERT STEPHEN and DIANE K. MAUZY. Malaysian politics under Mahathir. London and New York, Routledge,1999. MONTANER, JULIO S.G. HIV-SIDA: tratamiento moderno. (CD-ROM.) Buenos Aires, McGraw-Hill Interamericana, 1999. MÜLLER, NESTOR L. and PETER PARÉ, eds. Fraser and Paré's Diagnosis of diseases of the chest. Saunders, Philadelphia, 1999. MUZYKA, DANIEL F., scriptwriter and narrator. Mobilising for growth: entrepreneurship within companies. (Video.) Brussels, Video Management, 1999. NADEL, IRA B., ed. Ioláni: or, Tahíti as it was. [Wilkie Collins]. Princeton, Princeton University Press, 1999. NAKAI, SHURYO, JEONG S. SIM, and WILHELM GUENTER, eds. Egg nutrition and biotechnology. Wallingford, CABI, 2000. NAKAI, SHURYO and H. WAYNE MODLER, eds. Food proteins: processing applications. New York, Wiley-VCH, 2000. NEW, WILLIAM H., KEVIN MCNEILLY, NOEL E. CURRIE, and WILLIAM E. MESSENGER, eds. Currents: stories, essays, poems, and plays. 2nd ed. Scarborough, Prentice Hall of Canada, 2000. NEW, WILLIAM H. Raucous. Lantzville, Oolichan Books, 1999. O'BRIAN, JOHN. Ruthless hedonism: the American reception of Matisse. Chicago, University of Chicago Press, 1999. OBERLANDER, H. PETER and EVA NEWBRUN. Houser: the life and work of Catherine Bauer. Vancouver, UBC Press, 1999. OVERMYER, DANIEL L. Precious volumes: an introduction to Chinese sectarian scriptures from the sixteenth and seventeenth centuries. Cambridge, Harvard University Press, 1999. PARÉ, PETER and NESTOR L. MÜLLER, eds. Fraser and Paré's Diagnosis of diseases of the chest. Philadelphia, Saunders, 1999. PERRY, NANCY ELLEN, ANITA E. WOOLFOLK, and PHILIP H. WINNE. Educational psychology. Canadian ed. Scarborough, Allyn and Bacon Canada, 2000. PETERAT, LINDA. Making textile studies matter: inside outstanding school programs. Vancouver, Pacific Educational Press, 1999. PETERSON, GLEN D. and GRAHAM EDWIN JOHNSON. Historical dictionary of Guangzhou (Canton) and Guangdong. Lanham, Scarecrow Press, 1999. PETRO, PETER, ed. Critical essays on Milan Kundera. New York, G.K. Hall, 1999. PITT, KATHLEEN TERESA and MICHAEL DENNIS PITT. Three seasons in the wind: 950 kilometres by canoe down Northern Canada's Thelon River. Victoria, Tra?ord, 1999. PITT, MICHAEL DENNIS and KATHLEEN TERESA PITT. Three seasons in the wind: 950 kilometres by canoe down Northern Canada's Thelon River. Victoria, Trafford, 1999. PORATH, MARION, JANET R. JAMIESON, and ELIZABETH A. JORDAN. Problem-based learning in inclusive education. Scarborough, Prentice-Hall, 2000. POTTER, TIFFANY. Honest sins: Georgian libertinism and the plays and novels of Henry Fielding. Montreal, McGill-Queen's University Press, 1999. PUE, W WESLEY and ROB MCQUEEN, eds. Misplaced traditions: British lawyers, colonial peoples. Annandale, Lawin Context Federation Press, 1999. RACHMAN, STANLEY JACK et al, eds. Obsessive-compulsive disorder: theory, research, and treatment. New York, Guilford Press, 1998. RUBENSON, KJELL and HANS G. SCHUETZE, eds. Transition to the knowledge society: public policies and private strategies. Vancouver, UBC Institute for European Studies, 2000. RUSSELL, JAMES A. and KEITH R. WALLEY, eds. Acute respiratory distress syndrome: a comprehensive clinical approach. Cambridge, Cambridge University Press, 1999. SCHROEDER, ANDREAS. Fakes, frauds, and flimflammery: even more of the world's most outrageous scams. Toronto, M&S, 1999. SCHUETZE, HANS G. and KJELL RUBENSON, eds. Transition to the knowledge society: public policies and private strategies. Vancouver, UBC Institute for European Studies, 2000. SEEBARAN, ROOPCHAND and SUSAN JOHNSTON. Anti-racism theatre projects for youth. Study for Community Liaison Division, Ministry Responsible for Multiculturalism and Immigration, 1999. SHACKLETON, DAVID M. Hoofed mammals of British Columbia. Vancouver, UBC Press, 1999. SILVERMAN, ROBERT. Rachmaninoff: the piano sonatas. (Compact disc.) Vancouver, Orpheum Masters, 1999. SLATER, IAN D. Battle front. New York, Fawcett, 1999. SLATER, IAN D. Manhunt. Vancouver, Ballantine, 1999. SRIVASTAVA, K. D. and R. BARNITKAS, eds. Power and communication cables: theory and applications. London, McGraw-Hill, 1999. STEVENSON, S. WARREN. Serpent upon a rock. Victoria, Ekstasis Editions, 1999. STEWART, JACK F. The vital art of D.H. Lawrence: vision and expression. Carbondale, Southern Illinois University Press, 1999. STULL, ROLAND B., ed. Meteorology today for scientists and engineers: a technical companion book to C. Donald Ahrens' Meteorology today. 2nd ed. Pacific Grove, Brooks/Cole, 1999. THOMPSON, PEGGY, screenwriter and co-producer, and SHARON MCGOWAN, producer. Better than chocolate: a delicious comedy. (Video.) With the original motion picture soundtrack. (Compact disc.) Rave Film Inc., 1999. VARNER, COLLIN and CHRISTINE ALLEN. Gardens of Vancouver. Vancouver, Raincoast Books, 1999. VEIGA, MARCELLO and JOHN A. MEECH, eds. Proceedings of the second international conference on intelligent processing and manufacturing of materials. Piscataway, IEEE, 1999. VESSEY, MARK, KARLA POLLMANN, and ALLAN D. FITZGERALD, eds. History, apocalypse, and the secular imagination: new essays on Augustine's City of God. Bowling Green, Philosophy Documentation Centre, Bowling Green State University, 1999. VESSEY, MARK and WILLIAM E. KLINGSHIRN, eds. The limits of ancient Christianity: essays on late antique thought and culture in honor of R.A. Markus. Ann Arbor, University of Michigan Press, 1999. VRBA, RUDOLF. Als Kanada in Auschwitz lag. Munich, Piper, 1999. VRBA, RUDOLF. Borahti mi-Aushvits. (Escape from Auschwitz.) Haifa, Haifa University Press, 1998. WALLEY, KEITH R. and JAMES A. RUSSELL, eds. Acute respiratory distress syndrome: a comprehensive clinical approach. Cambridge, Cambridge University Press, 1999. WARD, W. PETER. A history of domestic space: privacy and the Canadian home. Vancouver, UBC Press, 1999. WEINBERG, CHARLES, ed. Innovations in social marketing. (CD-ROM.) Vancouver, Innovations in Social Marketing Conference, 1999. WILLINSKY, JOHN. Technologies of knowing: a proposal for the human sciences. Boston, Beacon Press, 1999. WILLOCK, RENÉE, ANNA M. KINDLER, and SALVADOR J. BADALI. Between theory and practice: case studies for learning to teach. Scarborough, Prentice Hall Allyn and Bacon Canada, 1999. WILSON, CATHERINE, ed. Civilization and oppression. Calgary, University of Calgary Press, 1999. WOODWARD, FRANCES, compiler. Cumulative index 1967-1999 to the Association of Canadian Map Libraries and Archives Bulletin. Ottawa, ACMLA, 1998. WRIGHT, IAN, JOHN HARRISON, and NEIL SMITH, eds. Critical challenges in social studies for upper elementary students. Richmond, Critical Thinking Cooperative, 1999. WINTER, JAMES H. Secure from rash assault: sustaining the Victorian environment. Berkeley, University of California Press, 1999. YEUNG, MOIRA M. and LEONARD I. BERNSTEIN, eds. Asthma in the workplace. 2nd ed. New York, M. Dekker, 1999.

Green College Speaker Series
Of Mice And Metaphysics: What Are The Objects Of Scientific Inquiry? Sergio Sismondo, Philosophy, Queen's U. Green College at 5pm. Reception from 6-6:30pm. Call 822-1878.

Graduation Dinner And Dance
Arts Grad 2000. Commodore Ballroom, 868 Granville St. at 6pm. Tickets $35 at the Arts Undergrad Society office from 11:30am-1:30pm. Monday, Wednesday-Friday. Call Bonnie 323-1423.

Agricultural Sciences Community Lecture
What Can We Learn From Microbial Life Below Zero? Prof. James M. Tiedje, Michigan State U. St. John's College Lecture Hall at 7pm. Call 822-1219.

Continuing Studies Public Lecture
The VSO Companion. Rodney Sharman, composer-in-residence, VSO; David Phillips, music teacher. Music 302 from 7:30-9pm. Continues to April 4. $37; $32 seniors. To register call 822-1420.

Poetic Persuasions Reading
Play The Monster Blind. Lynn Coady, writer in residence. Green College at 8pm. Call 822-1878.

WEDNESDAY, MARCH 22

Orthopedics Grand Rounds
Cervical Spine Injury: Biomechanical And Clinical Aspects. Dr. Tobias Pitzen; Dr. Tom Oxland. VGH, Eye Care Centre Aud. at 7am. Call 875-4192.

Asian Studies Lecture Series
Enlightenment For Sale: Theosophy And The Commodification Of A Mystic East. Prof. Joy Dixon, History. Asian Centre 604 at 12:30pm. Call 822-9266.

Another Look At Human Development Colloquium
The Potential Of Technology For The Development Of Children With Autism. Pat Mirenda, Educational Psychology And Special Education. Scarfe 278 from 12:30-1:20pm. Call 822-5232.

Centre For Research In Women's Studies Colloquium
Women's Science Stories In The Cold War Era. Dianne Newell, History. Women's Studies from 12:30-1:30pm. Refreshments. Call Corae 822-9173.

Wednesday Noon Hour Concert
Double Reed Extravanganza. Alexandra Pohran, oboist, UVIC. Music Recital Hall at 12:30pm. $3 at the door. Call 822-5574.

European Writers' Festival
TBA. Joseph von Westphalen, cult author. Buchanan B Penthouse from 12:30-2pm. Call Prof. Peter Stenberg 822-5158.

Institute Of Asian Research Seminar
Globalization And The Transformation Of Asian Societies: Raced Bodies And The Public Sphere In Ichikawa Kon's Tokyo Olympiad. Sharalyn Orbaugh. CK Choi 120 from 4:30-6pm. Call 822-2629.

Green College Special Lecture
Academic Freedom In Canada: Past, Present And Future. Michiel Horn, History, Glendon College, York U. Green College at 5pm. Call 822-1878.

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

THURSDAY, MARCH 23

Major And Scientific Suppliers Tradeshow
Acquisitions 2000 Showcasing UBC's Major And Scientific Suppliers. War Memorial Gym from 10am-4pm. Continues to March 24. Refreshments. Web site: www.purchasing.ubc.ca/tradeshow. Call 822-2686.

Botany Seminar
The Evolutionary Implications Of Diplonemids And Their Spliceosomal Introns. Qing Qian; Population Viability And Patterns Of Intertidal Biodiversity; Implications For Marine Protected Area Site Selection. Anne Solomon. BioSciences 2000 from 12:30-2pm. Call 822-2133.

Earth And Ocean Sciences Colloquium
Puzzling The Future Of Earth Sciences: A Key Piece: Public Outreach. Pierrette Tremblay, GAC Ward Neale Medalist Tour. GeoSciences 330-A at 12:30pm. Call 822-3278.

Science First! Lecture
Climate Change Fore And Aft: To Where Are We Pushing Mother Nature? Prof. Tom Pedersen. Wesbrook 100 at 12:30pm. Call 822-3336.

School Of Music Concert
UBC Jazz Ensemble. Fred Stride. Music Recital Hall at 12:30pm. Call 822-5574.

Centre For Integrated Computer Systems Research Seminar
Cryptographic Protocols. Ian Blake, Hewlett Packard Laboratories. CICSR/CS 208 from 4-5:30pm. Refreshments. Call 822-6894.

Centre For Chinese Research Seminar
Precious Volumes: An Introduction To Chinese Sectarian Scriptures From The Sixteenth And Seventeenth Centuries (Harvard U Asia Centre, 1999). Prof. Daniel L. Overmyer, Asian Studies. CK Choi 120 from 4:30-6pm. Call 822-2629.

Green College Special Lecture
Arts One And The State Of The Humanities. Ed Hundert, Arts One; various speakers. Green College at 4:30pm. Call 822-1878.

St. John's College Speaker Series
Global Perspective On Microbial Disease Research. Robert McMaster, VGH. St. John's College 1080 at 5:15pm. Call 822-8781.

Thematic Lecture Series: Nature, Culture And Colonialism
Making A Modern Wilderness: Wildlife Conservation And The Recolonization Of Canada 1900-1950. Tina Loo, History, SFU. Green College at 7:30pm. Call 822-1878.

FRIDAY, MARCH 24

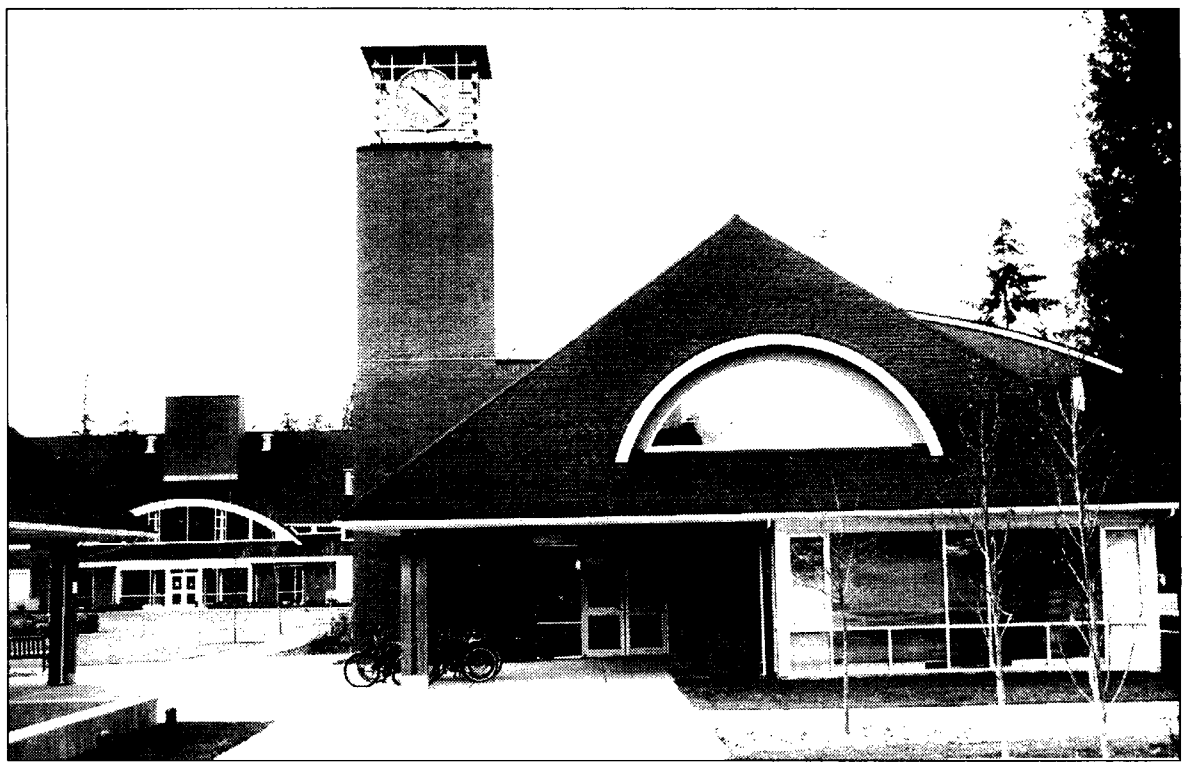
Health Care And Epidemiology Seminar
The Measurement Iterative Loop—Is It Ivory Tower? Peter Riben, assistant professor. Mather 253 from 9-10am. Paid parking available in Lot B. Call 822-2772.

Pediatric Grand Rounds
Antiretroviral Therapy In Pediatric HIV Disease. Jack Forbes, children's medical director, Oak Tree Clinic. GF Strong Aud. from 9-10am. Call 875-2307.

Fish 500 Seminar
MPAs And Coral Reef Fisheries: Spillover—Does It Exist Or Is It Even Relevant? Dirk Zeller. Hut B-8, Ralf Yorque Room at 11:30am. Refreshments at 11am. Call 822-2731.

Occupational And Environmental Hygiene Seminar
Concept Zero: Does The Workplace Work For You Or Do You Work For The Workplace. Lance Rucker, associate professor, Oral Health Sciences. UBC Hosp., Koerner Pavilion G-279 from 12:30-1:30pm. Call Kathryn Lewis 822-9861; Dr. Murray Hodgson 822-3073.

School Of Music Concert
Friday Noon Hour At Main. Erika Switzer. Main Library 502 at 12:30pm. Call 822-5574.



Members of the campus community interested in learning more about life in St. John's College are invited to an open house Thursday, March 9 and Friday, March 10 from noon to 4 p.m. Tours, door prizes, refreshments and a chance to meet current residents are among the events scheduled at the college which welcomes graduate students from around the world. Dianne Longson photo

Electrical And Computer Engineering Seminar 2000
Integrated-Optic Sensors For High-Voltage Applications. Nick Jaeger. MacLeod 418 from 1-2pm. Refreshments. Call 822-2405.

Chemical And Biological Engineering Seminar
Research Activities At The Industrial Materials Institute. Patricia Debergue, research associate, IMI/NCRC-NRC. ChemEng 206 at 3:30pm. Call 822-3238.

Mathematics Colloquium
Numerical Primary Decomposition. Andrew Sommese, U of Notre Dame. Math 100 at 3:30pm. Refreshments Math Annex 1115 at 3:15pm. Call 822-2666.

Green College Performing Arts Group
William Shakespeare's Twelfth Night. Green College Players. Green College at 8pm. Call 822-1878.

SATURDAY, MARCH 25

Bike Repair Course
Saturday Bike Mechanic Crash Course. Bike Hub from 10am-3pm. Call 822-BIKE.

School Of Music Concert
Bach: Mass In B Minor. University Singers; Vancouver Cantata Singers; Pacific Baroque Orchestra. Chan Centre at 7:30pm. Continues to March 26 at 3pm. $24 adults; $17 students/seniors. Call Ticketmaster 280-3311 or in person at Chan Centre box office.

Vancouver Institute Lecture
Energy, Environment And The Left. Silver Donald Cameron, author; commentator; playwright. IRC#2 at 8:15pm. Call 822-3131.

NOTICES

Garden Hours Of Operation
The Nitobe Memorial Garden, UBC Botanical Garden, and the Shop in the Garden are open from March 11 to October 2000 from 10am-6pm daily (including weekends). Inquiries for the gardens should call 822-9666 and for the Shop in the Garden 822-4529.

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

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

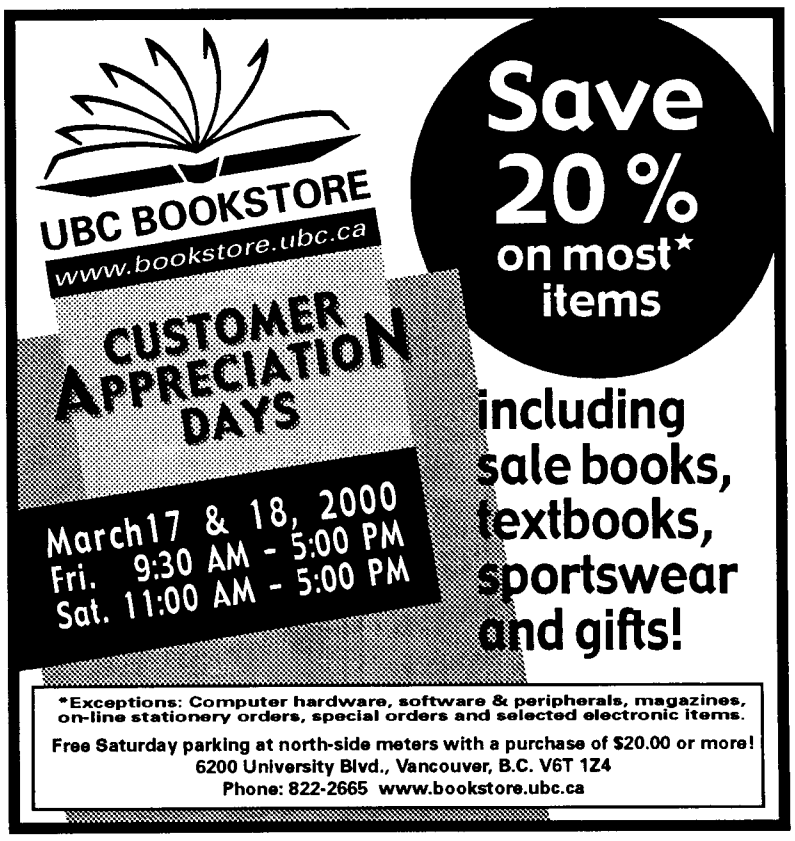
Contemporary Art Exhibition
Consolation Prize: Mike Kelley and John Miller at the Morris and Helen Belkin Art Gallery. Open from Tuesday-Friday 10am-5pm; Saturday-Sunday from 12noon-5pm. Continues to March 12. Admission: $3 adults; $2 seniors; free for students, UBC faculty and staff with valid ID. Visit the Web site at www.belkin-gallery.ubc.ca or call 822-2759.

Call For Proposals
Research papers on women and gender: Graduate Student Presentation Day April 26, 2000. Deadline for submission is March 17. Submit proposal to Thea Koerner House room 200 or for more information call 822-9173.

Orchids In Bloom
For Sale At Give-Away Prices! Currently Lady's Slippers and Dendrobium delicatum available. Small (3" pot) $5; large (5" pot) $15. Horticultural Greenhouse, corner of West Mall and Stores Road. Call David Kaplan at 822-3283.

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

Dance Enlightenment
The AMS Women's Centre presents dance enlightenment body awareness through movement and sound. Learn to release negative energy, ground body and essence. Enhance creativity attuning to your own rhythm. Weekly classes from 3:30-5:30pm. Drop in or register for the whole semester. To register or for more info call 822-2163.



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Deadline: for the March 23 issue: 12 noon, March 14.

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.

Work and environment hazards school's focus

Graduates are in demand by private and public sector

by Hilary Thomson staff writer

THE ONLY SCHOOL of Occupational and Environmental Hygiene west of Toronto has recently been established at UBC—the 11th professional school on campus.

A program within the Faculty of Graduate Studies since 1992, Occupational Hygiene's change in status to a school and the reference to environment in the title was recently approved by Senate to better reflect the scope of the school's research and teaching activities.

"We're very pleased at the recognition and believe it will increase the visibility of our profession," says Kay Teschke, the new school's director. "We also hope that the distinction will attract a larger pool of applicants."

About 10-15 students enrol annually for the two-year program leading to a master's degree in Science that focuses on the identification, evaluation and control of health and safety hazards in the work and community environments. Doctoral studies in occupational and environmental hygiene are also offered.

Facilities include four comprehensive exposure analysis labs, a mobile pulmonary function lab and extensive field survey equipment.

The school is unique in North America because of its interdisciplinary approach, says Teschke.

The 22-member faculty has research strengths in noise and vibration, occupational and environmental respiratory diseases and risk assessment. Faculty members have recently been involved in investigations of air-borne moulds and fungi in B.C. buildings.

School director Prof. Kay Teschke

Training hygiene professionals is a growing need and "grads are gobbled up" by industry, government, unions and educational institutes, says Teschke, who is a professor in the Dept. of Health Care and Epidemiology.

A $3-million endowment from the Workers' Compensation Board matched by the provincial government provided the original funding. In 1999, the Ministry of Health signed a 10-year $1-million agreement for consultations and technical expertise.

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MORE INFORMATION

Visit www.interchg.ubc.ca/occhyg

Legendary dean's legacy recognized

Sociology lectures drew students like magnets

by Bruce Mason staff writer

THE MEMORY OF Kaspar Naegele—who was appointed as the first dean of Arts when Arts and Science became separate faculties in 1964—lives on.

The proof that his legacy lingers on campus 35 years after his death is a growing memorial endowment, which will establish an undergraduate Sociology and Anthropology scholarship in his honour.

"He was absolutely brilliant and his lectures were filled with curious students who wanted to hear what he had to say even if they weren't enrolled in the courses he taught," recalls Arts alumnus Robert Doll who has established the endowment with his wife and fellow alumna Judith.

In early February 1965, the university community was shocked and saddened by the sudden and tragic death of Naegele, a Sociology professor. He was in his early forties, a husband and father of three, a devoted teacher and a renowned scholar.

In a little more than a decade at UBC, he left a deep impression on campus and his death left a profound sense of loss, particularly among students.

A Kaspar Naegele Memorial Lectureship was created shortly after his death to bring well-known speakers to UBC.

Doll notes that the lectures recognize Naegele's dynamism at the podium, but wanted to also pay tribute to the inspiration he provided for many careers including his own in Social Work.

Former Arts dean Kaspar Naegele

"Kaspar was charismatic and knowledgeable about the world," recalls Sociology Prof. Patricia Marchak. "The campus was small when he arrived in the mid-'50s and he encouraged people to consider deep questions."

Marchak, a former dean of Arts, remembers looking at his picture and wondering what he would have done when she confronted problems and difficulties in UBC's largest faculty.

Sociology Prof. Yunshik Chang, director of the Centre for Korean Research says, "He took an interest in me as a young student from Korea and suggested I apply to Princeton. I told him all I knew about Princeton was from a novel I read back home, but he prevailed and wrote a letter of support. My acceptance profoundly influenced my life and career."

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MORE INFORMATION

For information on the endowment, contact the Arts Development Office at (604) 822-9594.

Honour Roll

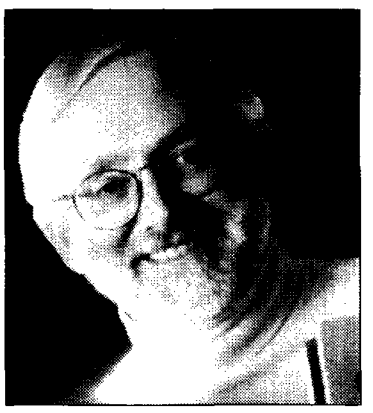
Donald Brooks, professor of Pathology and Laboratory Medicine and Chemistry, has been appointed UBC co-ordinator for the Canada Foundation for Innovation (CFI) program.

Brooks will assist UBC researchers to develop proposals for the 2001 grants competition and provide advice and guidance on CFI policies and criteria.

A principal investigator on the Laboratory for Molecular Biophysics proposal which received $8.9 million from CFI in 1999, Brooks also served on the national CFI Multidisciplinary Assessment Committee.

An alumnus who joined UBC in 1974, Brooks is a senior fellow of Green College and has been recognized with the distinctions of Medical Research Council (MRC) Centennial Fellow, MRC Scholar and three NASA certificates of recognition.

CFI is the $1.9-billion fund designed to help universities, colleges and hospitals enhance their research infrastructure.



Prof. Donald Brooks

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UBC's Dept. of Electrical and Computer Engineering and Vancouver-based NxtPhase Corp. have won the Canadian Institute of Energy's 1999 Energy Research and Development Award.

The award was given in recognition of the optical voltage sensor research spearheaded by Prof. **Nicolas Jaeger** with NxtPhase.

The award-winning sensor's innovative design safely and accurately measures high voltage in electrical power systems.

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Providence Health Care provides secondary, tertiary and quaternary services on eight sites in Vancouver, serving regional, provincial and national patient populations. It is one of four main teaching hospitals affiliated with UBC, with significant research programs in cardiac sciences, respirology, HIV/AIDS, psychiatry, gerontology, nephrology, and health services.

The ideal candidate will be a prominent researcher with vision, energy, outstanding leadership skills and business acumen, who is able to work collaboratively with multiple stakeholders, communicate effectively and foster cooperative relationships internally and externally.

This position reports to and works with the PHC President and CEO in the capacity of Vice President, Research and to the Dean, Faculty of Medicine, UBC in the capacity of Assistant Dean, Research. In accordance with Canadian Immigration requirements, this advertisement is directed in the first instance to Canadian citizens and permanent residents of Canada. Salary and rank will be commensurate with qualifications and experience.

UBC and PHC hire on the basis of merit and are committed to employment equity. All qualified persons are encouraged to apply to:

Mr. Phil Hassen, President & CEO
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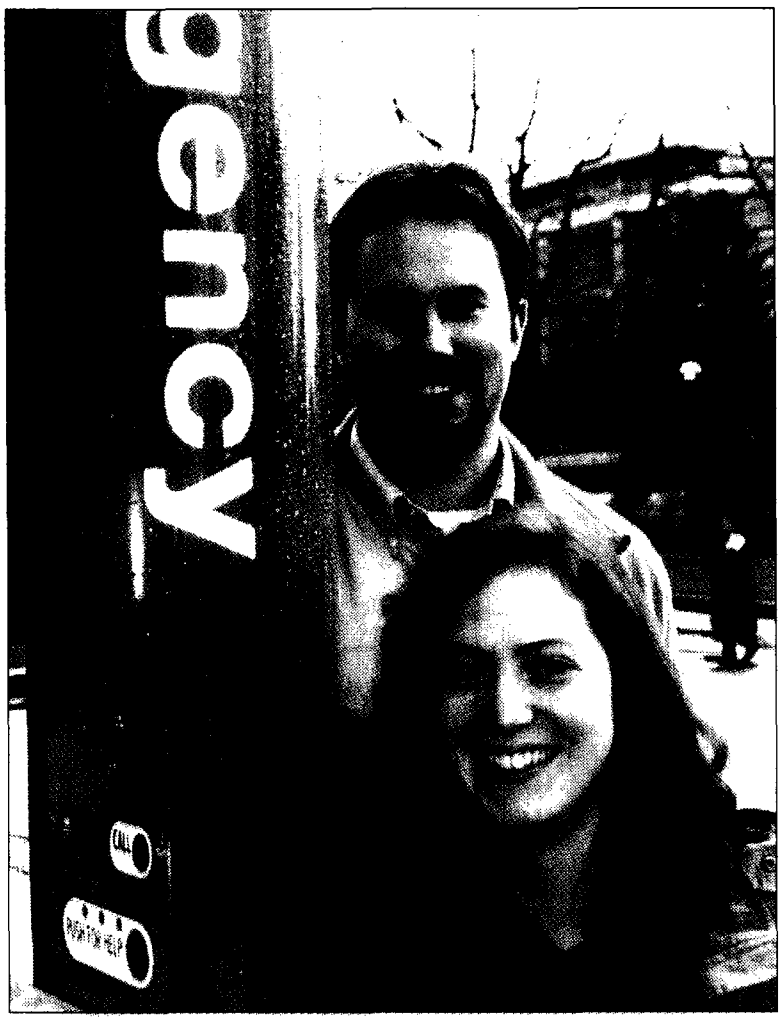
Closing Date is April 21, 2000.



Results from a security mapping survey will help prioritize areas for lighting and other safety measures, say project co-ordinator Johannes Schumann and Sociology student Daphne Hamilton-Nagorsen. *Hilary Thomson photo*

Survey queries safety concerns

Community to pinpoint spots on campus map

DO YOU FEEL SAFE on campus? UBC's Personal Security Co-ordinator's Office wants to know.

Using the Personal Security Mapping Survey the office aims to find exactly where people on campus feel safe and where they do not.

"We want to find out where the hot spots are," says Johannes Schumann, a UBC Geography graduate and the project's co-ordinator. "Getting specific information will help us prioritize how limited funds are spent on lighting, security and other safety measures."

Questions include opinions on nighttime and daytime safety, self-protection measures and demographic information.

Respondents mark areas on a map where they feel safe or at risk and supply reasons for their choices. They can also offer suggestions for personal security improvements. Responses are anonymous.

"This is a bottom-up approach that allows the people who use the campus some input into the decision-making process," says Schumann.

He and Sociology work-study student Daphne Hamilton-Nagorsen have distributed the three-page survey to about 2,000 individuals on campus. Distribution continues at residences, libraries, student organizations and campus recreational facilities.

The pair will start analysing the quantitative data in mid-March. Results will be posted on the Personal Security Co-ordinator's Web site in May.

A joint project of the Office of the Personal Security Co-ordinator, situated within the Dept. of Health, Safety and Environment, and Campus Planning and Development, the survey is funded by the Alma Mater Society Innovative Projects Fund.

Individuals wishing to participate in the survey can print a copy off the Personal Security Web site at www.safety.ubc.ca. (Click on the personal security section). The deadline to complete the survey is March 15.

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MORE INFORMATION

If you have questions about personal security at UBC, call the Personal Security Co-ordinator's Office at (604) 822-6210.

New curriculum gives students bigger bite

Future dentists get grounding in patient's overall health

By Hilary Thomson staff writer

DRILLING AND FILLING is just the beginning for a new breed of dentists about halfway through their training in the Faculty of Dentistry.

The first class of 40 dental students to complete two years of the new integrated medical/dental undergraduate curriculum are now midway through their third year.

Equipped with two years of learning in basic sciences, social issues and communication, the students are now tackling a revised clinical curriculum.

"Third-year students now have a better foundation in the medical management of oral diseases than they did with the former curriculum," says Joanne Walton, chair of the faculty's curriculum committee. "They're better equipped to look at the whole patient and dental problems in the context of overall health."

Joint seminars see third- and fourth-year students discussing real-life treatment plans or case analyses based on their work in UBC's Dental Clinic in a format similar to that used in the first two years of the curriculum.

The self-directed study which is part of the curriculum's first two years also continues.

"Dentistry techniques, equipment and dental science are changing so rapidly that we must teach students how to get in the habit of seeking new information for themselves," says Walton, an associate professor in the Dept. of Oral Health Sciences.

Third-year students and curriculum committee members Kris Pastro and Suzy Hupfau agree that the curriculum fosters active learning—being inquisitive and outspoken—rather than waiting to be told what to do.

"In the tutorials we learned to work together to solve a problem and this has created a co-operative approach in the clinic," says Hupfau.

Spring semesters have been lengthened and the role of part-time clinical faculty who supervise students has been increased to allow students time to master technical procedures originally taught in first and second years.

In addition, students learn clinical techniques in a new phased approach that incorporates both real and simulated practice.

The curriculum committee has confirmed the content and is now setting the timetable for the fourth-year curriculum.

Artwork captures northern lights

Sculpture combines sound, light, electronic wizardry

by Bruce Mason staff writer

Richard Prince (left) and David Floren

THEY ARE A GROUP OF SEVEN—from the departments of Fine Arts, Music, English, Classical Studies and Electrical and Computer Engineering—whose work of art will turn on lights and imaginations in Canadian galleries.

Fine Arts Assoc. Prof. Richard Prince is the driving force behind the multi-unit installation sound sculpture, The Aurora on All Three Channels.

"It is common knowledge in the aurora belt that the northern lights make sound," he explains. "I wanted to capture their glow and process it through audio and optical devices to create a true symphony."

An easy task accomplished with off-the-shelf technology, he thought. However, as the challenge became more complex, Prince began to collaborate with the wide spectrum of scholarly and creative resources at UBC where he has taught for 24 years.

Enter David Floren, a fourth-year Fine Arts student and electronic design and circuitry technician and Ed Casas, an assistant professor of Electrical and Computer Engineering. They were joined by composers Music Prof. Keith Hamel and Music lecturer Bob Pritchard.

The source of the sound sculpture is the very Canadian and very northern CBC Northern Service. An electronic sound-to-light control device translates the signal into light bulbs which flicker.

Across the room, Fresnel lenses focus the light on photo-sensitive electronic components. The signals are reconverted from light to sound—an eerie and unpredictable music.

Head of the English Dept. Prof. Sherill Grace has written an essay for the collaborative catalogue on the artistic fascination with this natural phenomena.

"Phostheria" is the name Classics Assoc. Prof. Harry Edinger coined for one part of the sculpture. It's from classical Greek and means "light hunter" or "light trapper."

The Aurora on All Three Channels is at the Campus Gallery in Barrie, Ont. until March 19, its first stop on a coast-to-coast-to-coast tour. A UBC date has yet to be determined.

Swimmers try out for Sydney Olympics

Record-setting national champions rule in the pool

IT'S ALL COME DOWN to the wire for 19 UBC swimmers who are currently competing in Olympic trials in Montreal.

The competition marks the end of a sensational season and many are expected to earn the right to represent Canada in Sydney this year.

"They have done a superb job of preparing themselves," says head coach Tom Johnson. "We want to reap the benefits of all that work by getting as many UBC swimmers on the Olympic team as possible."

The trials have been the focus of a season which included an historic performance at the Canadian Interuniversity Athletic Union (CIAU) Swimming Championships at the University of Guelph last month.

Both the men's and women's teams dominated the three-day meet to successfully defend their titles, becoming the only swimming teams in CIAU history to record double championships for three consecutive years.

For the second consecutive year Jessica Deglau accomplished the rare feat of winning the maximum six gold medals (200-metre and 800-metre freestyle, 100-metre and 200-metre fly, 4x100-metre medley relay and her first in the 800-metre freestyle). She was named CIAU Women's Swimmer of the Year.

Mark Johnston earned five gold medals (200-metre, 400-metre and 1500-metre freestyle, 4x100-metre and 4x200-metre freestyle). He was selected Canada West Swimmer of the Meet.

Johnson was presented with the CIAU Coach of the Year award for both the men's and women's teams.