

UBC REPORTS

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Hilary Thomson photo

Cram That Exam

Human Kinetics students Greg Taylor (left) and Alfred Ball hope that two brains are better than one when it comes to studying for Winter Session exams which run until Dec. 22 for most faculties. More than 25,000 students will write exams during this period, requiring 1,600 classroom bookings. Nearly 9,000 exams were written on the first day, Dec. 7.

New home built for high-tech enterprises

by Hilary Thomson

Staff writer

Growing B.C. research companies have a new place to put down roots with the construction of the Donald Rix Building, the latest in a series of technology enterprise facilities located on campus.

The building is named after UBC clinical assistant professor of Pathology and B.C. entrepreneur Donald Rix, who contributed to the cost of the building.

"I've been saying for years that the future for B.C. lies in the high-tech community," says Rix. "When this opportunity came up, I thought it was time I put my money where my mouth is."

The \$8.6 million building is currently under construction on UBC property at the corner of Health Sciences Road and Agronomy Mall. The almost 5,000-square-metre four-storey facility will house a variety of tenants and is being developed by Discovery Parks Inc. (DPI).

Tenants will pay market rents for space that can be designed according to

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Centre's research to boost B.C. wine industry

Add British Columbia to the world's wine-producing regions which benefit from a major research university. The B.C. Wine Research Centre (BC WRC) at UBC has been established to address all aspects of wine and serve as a resource for the province's highly successful and rapidly growing industry.

"The BC WRC will conduct pioneering research in the science of wine-making and grape cultivation," says Moura Quayle, dean of the Faculty of Agricultural Sciences. "It will also develop highly qualified human resources with the expertise to advance the technological development and the international impact and competitiveness of B.C. wine."

Co-ordinating the multidisciplinary research will be Food, Nutrition and Health Prof. Hennie J.J. van Vuuren, who has been appointed to the newly established Blythe and Violet Eagles Chair in Biotechnology.

Van Vuuren has conducted international wine biotechnology research for 15 years. He holds patents which have been licensed to international wine companies. Former students from Bordeaux, the University of Stellenbosch in South Africa and Brock University have followed him to UBC to begin research.



van Vuuren

Among the objectives of the BC WRC is to establish a centre of excellence in wine research and a wine library to evaluate and analyse young B.C. wines.

A networking system, WineNet, will be established at UBC to build on existing research strengths in biotechnology, soil and plant sciences, engineering, marketing, and other disciplines.

"The WRC will provide a focal point for wine research at UBC and leading experts will be invited to discuss issues bridging science, industry and society," says van Vuuren.

An undergraduate course in wine appreciation — the first such course offered as an elective in Canada — will teach students about wines from around the world. Wine courses at all levels are being designed for the public.

Van Vuuren's team will be the first to apply gene chip technology to study the expression of genes in wine yeasts. This novel approach will allow winemakers to maximize the aromatic complexity of wines and minimize the production of spoilage compounds by changing fermentation conditions. No genetic engineering is involved.

The BC WRC will be guided by an advisory council made up of members of the wine industry, the B.C. Wine Institute and UBC faculty.

The BC WRC will be guided by an advisory council made up of members of the wine industry, the B.C. Wine Institute and UBC faculty.

Budding beaker lovers break into science

by Hilary Thomson

Staff writer

Kids will turf their textbooks and get their hands on Frisbees, parachutes and bicycle gears in a new after-school science outreach program created by Assoc. Prof. Niamh Kelly.

Called Hands-on Science, the program sees groups of up to 12 children aged seven to 10 years conducting a series of fun science experiments at Vancouver's Science World under the leadership of UBC scientists and students.

"When kids have fun with science, they learn important life skills," says Kelly, a faculty member in Pathology and Laboratory Medicine. "Thinking critically, developing hypotheses and testing ideas are all part of exploring science."

Workshops with titles such as "May the Force Be With You" cover topics that include molecules and matter, electricity, the senses, friction, gravity, chemical reactions and flight. Children working in pairs are grouped with their peers in a seven- to eight-year-old class or a nine- to 10-year-old class and progress according to their level of understanding.

The graduate students who volunteer with the program come from various faculties, including Education and Science. They gain experience in course design, motivating, communicating and class management.

"This program has a unique teaching style," says fourth-year Science student Sarah Hargreaves, who has taught at Kelly's summer science camps and is

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Rix

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their needs. DPI expects that half the building will house biotechnology companies and the other half will be leased to companies involved in information technology research when it opens next spring.

State-of-the-art infrastructure and support services for voice, data, fibre optic and coaxial cable connections are provided as well as campus services such as hazardous waste disposal.

"This new building is needed to accommodate the growth of new companies created on the basis of UBC research," says Angus Livingstone, managing director of the University-Industry Liaison Office.

WebCT Canada, a UBC spin-off company that produces Web-based educational software and has nearly 180 employees, is one of the building's new tenants.

Hands-on

Continued from Page 1

one of two UBC students employed to deliver the Science World program. "The children are encouraged to think for themselves so they learn the concepts much more readily."

"The kids' brutal honesty and willingness to take chances was inspiring for me," she adds.

Classes are held in two terms Jan. 9 to March 18 and March 26 to June 3 at Science World on Tuesdays, Wednesdays or Thursdays from 4-5 p.m. and cost \$95 plus GST per term. For more information or to register call (604) 443-7505.

"We could have moved to an office downtown at roughly the same cost but we wanted to stay on campus," says WebCT President Murray Goldberg. "Our employees who are faculty and alumni can keep their relationships with UBC colleagues, we can easily recruit graduates and employ senior students and I can continue to teach here."

There are 22 companies from pro-active to early-stage enterprises now located on campus in two technical enterprise facilities.

Most of the companies are UBC spin-offs. The remainder have research relationships with UBC. Profits from lease agreements are fed back into UBC research.

UBC ranks third in Canada and among the top 10 in North America for the number of companies created.

Major funding for the Rix Building was supplied by the Discovery Foundation which was founded in 1979 to develop facilities for high-tech industry in B.C.

CHRISTMAS HOURS

UBC FOOD SERVICES

Ph: UBC-FOOD (822-3663)
or Visit www.foodserv.ubc.ca
All Locations reopen Jan. 4, 2000

Effective December 6, 1999

Location	Hours	Status
Agora, Arts 200		CLOSED
Barn	7:45 am - 3:30 pm	Dec 6
Bread Garden (Dec 3-17)	7:30 am - 3:30 pm	Dec 23
(Dec 20-22)	7:30 am - 2:30 pm	Dec 23
Edibles Dec 7-10	8:00 am - 1:30 pm	Dec 13
IRC (Dec 6-17)	8:00 am - 3:30 pm	Dec 22
(Dec 20-22)	8:00 am - 1:30 pm	
Gage Mini Mart	10:00 am - 10:00 pm	Dec 18
Trek's Express (Dec 3-6)	7:30 am - 3:30 pm	OPEN
(Dec 7-16)	7:30 am - 4:30 pm	
(Dec 17)	7:30 am - 4:00 pm	
(Dec 20-22)	7:30 am - 3:30 pm	
(Dec 23&24)	7:30 am - 2:00 pm	
(Dec 29-31)	8:00 am - 2:00 pm	
Pacific Spirit Place	7:30 am - 2:00 pm	Dec 18
Subway (Dec 3)	7:30 am - 4:00 pm	Dec 23
(Dec 6)	7:30 am - 2:00 pm	
(Dec 7-10)	7:30 am - 9:30 pm	
(Dec 13-17)	7:30 am - 4:00 pm	
(Dec 20-22)	7:30 pm - 2:00 pm	
Espresso On the Go	7:00 am - 4:00 pm	Dec 18
Steamies	9:30 am - 3:00 pm	Dec 23
Yum Yum's	7:45 am - 2:00 pm	Dec 13
Sage Bistro	11:00 am - 2:00 pm	Dec 18

UBC Catering for your Xmas events...call 822-2018
Totem & Place Vanier Dining Rooms are OPEN daily 7:15am - 7:00 pm

Association moves under labour code

UBC's Faculty Association has recently voted to negotiate under the B.C. Labour Code.

Close to 1,000 members of the association's nearly 2,300 professors, lecturers and librarians voted on the issue, with a majority casting ballots in favour of placing the association's employment contract under the code.

"We're very pleased that 79 per cent of our members who voted were in favour of the amendment," says Social Work Prof. Mary Russell, who heads the association. "It's a validation of the association's strength."

The vote will be forwarded by the university administration to the Board of Governors for ratification.

Just a few of your favourite things...

UBC BAKESHOP CHRISTMAS GOODIES

GINGERBREAD GOODIES CHRISTMAS CAKE PECAN BARS MINCEMEAT TARTS RUM BALLS WHIPPED SHORTBREAD

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Because no one really knows ...

At ITServices, we've done our best to ensure that when the clock strikes midnight on December 31st, all the services we provide to UBC are Y2K-proof. But still, the unexpected can happen! If the University is closed and you suspect that you're experiencing a Y2K problem with our services, please call one of our emergency trouble numbers. During business hours, please call our regular phone numbers, as listed in the UBC directory.

ITServices Emergency Trouble Numbers

Voice Services
(Voicemail, AdminTel, ResTel)
822-2101

Data Services
(Network, E-mail, Cablevision)
822-5438
nmc@ubc.ca

www.y2k.itservices.ubc.ca



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UBC REPORTS

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Director, Public Affairs: Paula Martin (paula.martin@ubc.ca)

Editor/Production: Janet Ansell (janet.ansell@ubc.ca)

Contributors: Bruce Mason (bruce.mason@ubc.ca),

Andy Poon (andy.poon@ubc.ca),

Hilary Thomson (hilary.thomson@ubc.ca).

Calendar: Natalie Boucher (natalie.boucher@ubc.ca)

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

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Andy Poon photo

A discovery made almost a decade ago set Curtis Suttle on his research into viruses in seawater. Now an associate professor in Earth and Ocean Sciences, Botany, and Microbiology and Immunology, Suttle says he has come full circle, moving his lab from the U.S. to UBC and occupying the same office he had while a graduate student here.

Salty viruses balance ocean, says scientist

by Andy Poon

Staff writer

Many people would be surprised to learn that the earth's oceans teem with between 10 to 100 million viruses in every teaspoonful of seawater. That discovery was made a decade ago by a graduate student in the lab in which UBC microbiologist and oceanographer Curtis Suttle was doing post-doctoral work.

"The timing of the discovery really focused attention on the fact that microorganisms are extremely important," says

Suttle, now an associate professor in the departments of Earth and Ocean Sciences, Botany, and Microbiology and Immunology.

Two years after he witnessed the groundbreaking discovery by Lita Proctor in microbial

ecologist Jed Fuhrman's lab at the State University of New York at Stony Brook, Suttle started his own research into finding out why viruses exist in such high numbers in the sea and what roles they play in marine and global ecosystems.

"Lita's work looked at viruses that infected bacteria in the ocean so I decided to look at viruses that affect photosynthetic organisms in the ocean," he says.

Suttle's research to date has revealed that indeed viruses play a major role both as destructive disease-causing agents and as part of the control mechanisms of the seas.

His research into how marine viruses infect and kill phytoplankton — the tiny photosynthesizing organisms that form the base of the food web in the ocean — showed that viruses have a tremendous impact on these ecologically important groups.

While Suttle proved that viruses can reduce the production of organic carbon, he has also studied how they can aid the release of organic matter into the oceans. His work revealed that carbon — the common cur-

rency of plankton and all other living things — is not always directly transferred from one organism to another through consumption. A large amount is released directly into the sea by bacterioplankton killed by viruses. This released carbon is then incorporated by other bacteria and lost through respiration.

"As much as 25 per cent of all living carbon in the oceans goes through viruses," he says.

As head of the Molecular Marine Microbiology and Virology Lab, Suttle and his team of a dozen researchers and students are working hard to broaden un-

derstanding of marine viruses.

But while viruses have been mainly thought of as pathogens, Suttle says they also play an essential part in the normal running of marine ecosystems.

"As much as 25 per cent of all living carbon in the oceans goes through viruses."

—Assoc. Prof. Curtis Suttle

His experiment in selectively removing viruses from seawater showed that instead of a rise in the growth of the remaining planktonic organisms, the plankton stopped growing completely. It demonstrated that the living organisms depend on the nutrients released as other organisms are killed by the viruses, thus illustrating the vital control mechanism that viruses play in marine ecosystems.

Suttle says the legacy of excellent research by his faculty colleagues — the Oceanography group celebrated its 50th anniversary this fall — and the availability of bright and motivated graduate students was a major factor in his decision to relocate his lab here from the University of Texas.

On top of that, UBC is his alma mater — he completed both his undergraduate and doctorate degrees here.

"It's funny, I am actually in the same office as when I was a grad student here," he laughs. "So I guess you can say I have come full circle."

Offbeat

by staff writers



For those looking for truly unique gifts this holiday season...

The SERF Days of Christmas

- On the first day of Christmas my true love sent to me,
A test tube in a tube rack.
- On the second day of Christmas my true love sent to me,
Two dental chairs,
And a test tube in a tube rack.
- On the third day of Christmas my true love sent to me,
Three file cabinets,
Two dental chairs,
And a test tube in a tube rack.
- On the fourth day of Christmas my true love sent to me,
Four laser beams,
Three file cabinets,
Two dental chairs,
And a test tube in a tube rack.
- On the fifth day of Christmas my true love sent to me,
Five garbage cans,
Four laser beams,
Three file cabinets,
Two dental chairs,
And a test tube in a tube rack...
- On the twelfth day of Christmas my true love sent to me,
Twelve X-rays scanning,
Eleven trucks a-trucking,
Ten toilets flushing,
Nine computers blinking,
Eight fridges humming,
Seven chairs a-swinging,
Six mortician's tables swaying,
Five garbage cans,
Four laser beams,
Three file cabinets,
Two dental chairs,
And a test tube in a tube rack.

The above are a sample of the items available at the Surplus Equipment Recycling Facility (SERF), 2352 Health Sciences Mall. Liberties have been taken with the number of each item available. To see a more accurate and complete listing, visit the Web site at www.serf.ubc.ca/Catalogue/ or call (604) 822-2813.

Scholar to head research for blood agency

A UBC specialist in transfusion medicine has been named as the national director of research and development at Canadian Blood Services (CBS).

Associate professor of Pathology and Laboratory Medicine Dana Devine will work with researchers across the country to design a strategic plan for research and development focused on blood safety, blood substitutes and alternatives to transfusions.

"This is an exciting chance to help improve the outlook for Canadian transfusion science," says Devine, a faculty

member since 1987 and an associate member in the Dept. of Biochemistry and Molecular Biology since 1990. "The new blood agency is strongly committed to research and development — we'll be able to co-ordinate and stimulate transfusion medicine investigation and formalize a network of researchers across Canada."

The scope of CBS research ranges from watching for emerging blood-

borne infectious agents to social science issues such as recruiting donors and re-establishing confidence in the blood service system.

"The recent blood supply crisis in Canada has made us look very carefully at blood pathogens and risks of transfusions," says Devine, who has been a senior research scientist with CBS and the Canadian Red Cross Society since 1987. "We're now investigating alternative approaches to routinely replacing blood through transfusions."

Risk of infection and limited supplies of blood have prompted scientists to investigate blood-spar-

ing surgical procedures such as salvaging, cleaning and re-introducing blood lost during surgery.

There are about 1.3 million blood donors in Canada. An average of 100,000 units of blood is needed every year to support patient needs throughout B.C. and the Yukon.

Devine will continue to work at UBC while fulfilling the directorship.



Devine

Calendar

December 12 through January 15

Sunday, Dec. 12

Concert

Hansel Und Gretel: Opera In Three Acts. UBC Opera Ensemble with the Vancouver Philharmonic Orchestra. Nancy Hermiston, director and Richard Epp, conductor. The Chan Centre at 3pm. \$18 (adults), \$10 (students/seniors). Tickets at Ticketmaster 280-3311, or in person at The Chan Centre Box Office. Call 822-5774.

Monday, Dec. 13

Green College Science And Society Group

The University As A Public Conglomerate. William N. Kaghan; Sakson & Taylor Inc., Seattle. Green College Coach House at 7:30pm. Call 822-1213, 822-1878 or 822-2561.

Wednesday, Dec. 15

Orthopedics Grand Rounds

Tibial Malunion. Dr. Marty Boulaine. VGH, Eye Care Centre Aud. at 7am. Call 875-4192.

Christmas Service

A Service Of Lessons And Carols. St. Andrew's Hall Chapel at 8pm. Refreshments. Call 822-9720.

Friday, Dec. 17

HCEP Rounds

Legalization Of Drugs. Dr. Richard G. Mathias. Mather 253 from 9-10am. Parking available in B-lot. Call 822-2772.

Pediatric Grand Rounds

New Therapy For Juvenile Idiopathic Arthritis. Sue Bennett and Tim Oberlander. GF Strong Aud. from 9-10am. Call 875-2307.

Thursday, Jan. 5

School Of Nursing Rounds

The Process Of Recovery From Depression: Experiences Of Older Adults. Elaine Unsworth. MSN student. UBC Hosp. Koerner Pavilion T-206 from 3-4pm. Call 822-7453.

Saturday, Jan. 7

HCEP Rounds

Public Health Directions For British Columbia In The New Decade. Dr. Perry Kendall. Mather 253 from 9-10am. Parking available in B-lot. Call 822-2772.

Pediatric Grand Rounds

Upshots From The Vaccine Centre. David Scheifele. GF Strong Aud. from 9-10am. Call 875-2307.

Sunday, Jan. 8

Conference On Aboriginal Women And Wellness

The Legacies We Leave Our Children. Various speakers discussing traditional birthing, parenting, health, language, dance, governance and culture. Hyatt Regency Hotel, 655 Burrard St. Continues to Jan. 11. Full-program \$325 (before Dec. 17); \$375 (after Dec. 17). Registration at 3pm on Jan. 8; Jan. 9 from 8am-10pm (\$140/\$160); Jan. 10 from 8am-4:30pm (\$140/\$160); Jan. 11 from 8am-2pm (\$60/\$80). Call 822-2801 or 1-800-663-0348.



Bruce Mason photo

Sign, Seal, Deliver

Donna Chin, managing editor of *Canadian Literature*, holds a couple of hot sellers on campus. Canada's premier literary journal, which is celebrating a 40th anniversary, created two sets of cards as a fund raiser. They feature the work of artist and printmaker George Kuthan. "We are thrilled at how many people are taking advantage of this unique way to send greetings from UBC and support the journal," says Chin. The cards, lithographed in copper, are available blank for use year-round, or printed with "Season's Greetings." A package of six blank cards costs \$8.75. The Christmas card pack is \$10. To order call (604) 822-2780 or visit the Web site at www.cdn-lit.ubc.ca.

Notices

UBC Food Services Christmas Hours

Christmas Exam hours are in effect. For hours of operation for all locations, visit www.foodserv.ubc.ca or call UBC-FOOD (822-3663).

Sexual Assault Research

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

Research Study

EcoRisk Research unit is seeking UBC staff members to volunteer for a research study investigating public perceptions about the benefits and risks of space exploration. A booklet and questionnaire will be campus-mailed to you to complete at your convenience. Call Joseph 822-9261.

Museum Of Anthropology Exhibition

Objects Of Intrigue. Continues to March 31. A Break In The Ice: Inuit Prints From The Linda J. Lemmens Collection. Continues to Feb 2. Attributed to Edenshaw: Identifying The Hand Of The Artist. Continues to Feb. 13. Three Case Studies. Northwest Coast Art. Continues to August. Unity Quilt. Continues to Dec. 31. Free to UBC students, staff, faculty. Website: <http://www.moa.ubc.ca> or call 822-5087 or 822-5950.

Child Behaviour Research

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

Psychology Study

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

Traumatic Stress Clinic

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

Bike Workshop

Free bike care clinic with Jason Addy, master bike mechanic. SUB loading dock Room 41, every Wednesday from 6pm-7pm. Call 822-BIKE.

Bike Repair Party

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

Vancouver Team Handball

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

TRIUMF Public Tours

Tours are available every Wednesday and Friday to April 28, 2000 starting at 1pm and lasting approx. 75 minutes. Group tours may be arranged by calling the TRIUMF Information Office 222-7355.

UBC Campus Tours

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

AMS Rentsline

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

Pride UBC Alumni Search

Out In The Millennium: Celebrating 20 years Of Outweek (1980-2000)! This event is for our current GLBT members and alumni, as well as our friends and allies. Call Amar (co-chair) 222-3542.

Studies In Hearing and Communication

Senior (65 years or older) and Junior (18-35) volunteers needed. If your first language is English and your hearing is relatively good, we need your participation in studies examining hearing and communication abilities. All studies take place at UBC. Hearing screened. Honorarium. Continues until January. Please call the Hearing Lab, 822-9474.

Faculty Women's Club

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

Snow?

"The University will remain open during snow storms but may cancel or reschedule classes on a university-wide basis and/or curtail non-essential services in response to the conditions."—UBC Policy on Disruption of Classes/ Services by Snow, May 1994

In the event of extreme snow conditions, listen to CBC Radio, CKNW and other local radio stations for information.



UBC REPORTS

CALENDAR POLICY AND DEADLINES

The *UBC Reports* Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland.

Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310-6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1. Phone: UBC-INFO (822-4636). Fax: 822-2684. An electronic form is available at <http://www.publicaffairs.ubc.ca>. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the Jan. 13 issue of *UBC Reports* — which covers the period Jan. 16 to Jan. 29 — is noon, Jan. 4.



STUDENT DISCIPLINE REPORT

(1 September 1998 to 31 August 1999)

Under section 61 of the University Act the President of the University has authority to impose discipline on students for academic and non-academic offences (see page 50 of the 1999/2000 University Calendar). A summary of such disciplinary cases is published on a regular basis, without disclosing the names of students involved. In the period 1 September 1998 to 31 August 1999, 31 students appeared before the President's Advisory Committee on Student Discipline and 30 were subsequently disciplined. For each case, the events leading to the imposition of the discipline and the discipline imposed are summarized below. Discipline may vary depending upon the circumstances of a particular case.

1. A student failed to respond to repeated attempts to schedule a disciplinary hearing to examine misconduct incidents alleged to have been committed when seeking admission to a Faculty.
Discipline: ongoing and future registration blocked pending appearance before the President's Advisory Committee on Student Discipline, and a notation to that effect placed on transcript.
2. A student provided false and incomplete information when seeking admission to the University.
Discipline: a suspension from the University for 8 months*.

3. A student submitted a term paper that was completely plagiarized.
Discipline: a mark of zero in the course and suspension from the University for 12 months*.
4. A student brought unauthorized material into a midterm examination.
Discipline: a mark of zero in the course and suspension from the University for 12 months*.
5. A student left the examination room without submitting an exam paper and subsequently engaged in a cheating scam in an attempt to secure a grade for the course.
Discipline: in the special circumstances, a mark of zero in the course and a suspension from the University for 4 months*.
6. A student provided false and incomplete information when seeking admission to the University.
Discipline: a suspension from the University for 8 months*.
7. A student completely plagiarized a report that was submitted in a course assignment.
Discipline: a mark of zero in the course and a suspension from the University for 8 months*.
8. A student used false identification to gain entry to an examination room and wrote an examination in the name of another individual.
Discipline: a suspension from the University for 12 months*.
9. A student provided incomplete information when ap-

plying for admission to the University.

- Discipline:** in the special circumstances, a letter of reprimand.
10. A student brought an unauthorized calculator into a final examination.
Discipline: a mark of zero in the course and a suspension from the University for 4 months*.
 11. A student was alleged to have cheated during a final examination.
Outcome: charge dismissed; allegation could not be substantiated from a consideration of the available evidence.
 12. A student colluded with another student in a cheating incident during a midterm examination.
Discipline: a mark of zero in the course and home University advised of the misconduct and disciplinary penalty*.
 13. A student committed forgery on a Registration/Change of Registration Form.
Discipline: a mark of zero in the involved courses and suspension from the University for 12 months*.
 14. A student submitted plagiarized work in a term paper for a course.
Discipline: a mark of zero in the course and a suspension from the University for 12 months*.
 15. A student was involved in a cheating incident on a midterm examination.
Discipline: a mark of zero in the course and suspension from the University for 12 months*.
 16. A student colluded with another student in a cheating incident during a midterm examination.
Discipline: a mark of zero in the course and home University advised of the misconduct and disciplinary penalty*.
 17. A student essentially completely plagiarized a term paper for a course.
Discipline: a mark of zero in

the course and a suspension from the University for 12 months*.

18. A student was involved in a cheating incident during a final examination.
Discipline: a mark of zero in the course and a suspension from the University for 8 months*.
19. A student was involved in a cheating incident during a final examination.
Discipline: a mark of zero in the course and a suspension from the University for 8 months*.
20. A student committed plagiarism in a term paper.
Discipline: in the special circumstances, a mark of zero for the paper and a letter of reprimand.
21. A student was involved in a cheating incident during a final examination.
Discipline: a mark of zero in the course and a suspension from the University for 12 months*.
22. A student altered a returned midterm examination in an attempt to obtain a revised grade.
Discipline: a mark of zero in the course and a suspension from the University for 8 months*.
23. A student completely plagiarized a term paper for a course.
Discipline: in the special circumstances, a letter of reprimand and the completion of remedial measures.
24. A student was involved in a cheating incident during a midterm examination.
Discipline: a mark of zero in the course and a suspension from the University for 12 months*.
25. A student substantially plagiarized a term paper in a course.
Discipline: a mark of zero in the course and a suspension from the University for 12 months*.
26. A student left the examination room without submitting an exam paper and subsequently engaged in a cheating scam in an attempt to secure a grade for the course.
Discipline: in the special circumstances, a mark of zero in the course and a suspension from the University for 4 months*.
27. A student committed plagiarism in a graduation essay.
Discipline: a letter of reprimand and the completion of remedial measures.
28. A student was involved in a cheating incident during the midterm examination in a course.
Discipline: a mark of zero in the course and a suspension from the University for 12 months*.
29. A student was involved in a cheating incident during a midterm examination.
Discipline: in the special circumstances, a letter of reprimand.
30. A student was involved in a cheating incident during a midterm examination.
Discipline: a mark of zero in the course and a suspension from the University for 12 months*.
31. A student failed to respond to attempts to schedule a disciplinary hearing to examine an allegation of substantial or complete plagiarism in a term paper for a course.
Discipline: ongoing and future registration blocked pending appearance before the President's Advisory Committee on Student Discipline, and a notation to that effect placed on transcript.

* In all cases indicated by an asterisk a notation of disciplinary action is entered on the student's transcript. At any time after two years have elapsed from the date of his or her graduation the student may apply to the President to exercise her discretion to remove the notation.

Students under disciplinary suspension from UBC may not take courses at other institutions for transfer of credit back to UBC.

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Andy Poon photo

Pondering The Plan

Faculty, staff, students and members of the community view display panels of the developments proposed in UBC's Comprehensive Community Plan (CCP). More than 400 attended two recent campus meetings to voice their opinions on the proposals. Comments will be considered in plan refinements to be presented at a third public meeting early next year. For more information, visit the Web site at www.ocp.ubc.ca or call Campus Planning and Development at (604) 822-0469.

Forum

Hunger in Canada? — Who cares?

by Graham Riches

Prof. Graham Riches is the director of UBC's School of Social Work and Family Studies.

Many Canadians are planning for their annual Christmas feast. For others it is just another day of hunger. As we approach the millennium it is time to reflect on the growing issue of hunger in our society, and ask what should be done.

A good place to start is Canada's Action Plan for Food Security. Introduced on World Food Day in 1998 as a response to the World Food Summit (Rome, 1996), its commitment is to halve the number of the world's hungry by 2015. Significantly, it acknowledges the right to food and presents an international and domestic agenda, including strategies directed at access to food; sustainable agriculture and rural development; trade and food security; and private investment.

Community food security advocates have rightly criticized the plan for its emphasis on further trade liberalization as the key to national and global food security. Yet, its main problem is its lack of visibility. One year after its introduction, who knows it exists?

Why is this so when food poverty in Canada remains such an acute and long-standing human rights issue?

Increasing food bank usage, strong demand for school meal programs, malnutrition among seniors and the plight of prairie farmers are hardly indicative of a food secure society, nor one which tops the UN Human Development Index. What has gone wrong?

The most critical issue is that we have lost sight of the real meaning of food. Today it is just another economic commodity subject to the laws of the global marketplace where the bottom line is corporate profitability.

Transnational corporations now control the food agenda, its production, trade, and distribution. Expanded trade liberalisation, the key focus of the recent WTO meetings in Seattle, will only enhance the dominance of the global food export/import model and its accompanying environmental, health and social costs associated with industrial agriculture.



What guarantees are there that food security in the South and North will be enhanced? What role will there be for food self-sufficiency and sustainable agriculture?

This commodification of food makes us forget that food is the basis of diet, nutrition and health, and of life itself. It is also a social and cultural good, vital to our sense of individual, family and community well-being.

We are what we eat though it is doubtful whether many of us know anymore what we are eating (or where our food comes from). And while the market treats us as food consumers, which gives us a degree of choice, our rights as food citizens are being denied.

Food democracy is under attack. Farmers no longer control the food they produce, and too many Canadians cannot afford to feed themselves or their families. Indeed, they must rely on charitable relief.

The situation is not uniquely Canadian. Food poverty remains a chronic issue in the South and a growing problem in the US and Europe.

Global hunger of course is not a new issue, nor is the problem of food poverty in Canada. Food banks have been with us

since 1981 when the first one was established in Edmonton.

Today there are 698 food banks across the country and in March, 1999, 790,000 people used them. In the same month B.C.'s 87 food banks fed 71,000 people.

What started as an emergency, short-term response to the severity of the recession of the early 1980s has resulted in food banks becoming a secondary tier of our welfare system, a social safety net that no longer meets the needs of vulnerable people.

Food banks cannot guarantee an adequate supply of nutritious foods. They strictly ration their handouts and turn people away. International studies demonstrate they are not an effective response to hunger.

To address the problem of hunger we need to recognize that since the early 1980s governments of all political stripes in Canada have implemented social spending policies which refused to acknowledge the right to food and adequate benefits.

In so doing they have failed to comply with their international obligations as set out in the Universal Declaration of Human Rights and the International Covenant on Economic, Social and Cultural Rights which asserts the right to food. Canada has also committed itself to a range of international conventions and global conferences which likewise affirm this right.

Yet, in terms of welfare policy, governments have proceeded as if they were unaware of their obligations to respect, protect and advance the human right to food.

Unless or until we recognize this point, food poverty will continue to grow in Canada and Canada's Action Plan for Food Security will remain invisible and the policies and debates it raises will be unaddressed.

People

by staff writers

Two of the province's top young women in science are engineering students in the Faculty of Applied Science.



Bubela (left) and Wong

Rozlyn Bubela, a fourth-year Civil Engineering co-op student, was the undergraduate winner of the 1999 Premier's Awards for Young Women in Science. She collected a \$10,000 scholarship as part of the award.

Gloria Wong received the runner-up prize and a \$1,000 scholarship. She is a third-year Metals and Materials Engineering co-op student at UBC.

The Premier's Awards recognize outstanding female students from technical disciplines where women are currently under-represented. Scholarship winners must demonstrate strong leadership and research potential. The awards are presented by the B.C. Information, Science and Technology Agency.

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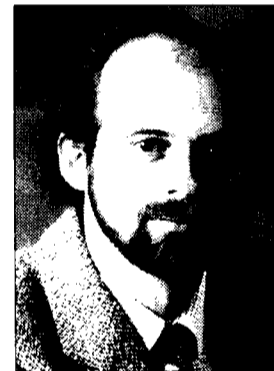
Medical Genetics Prof. Michael Hayden, director of the Centre for Molecular Medicine and Therapeutics, has been awarded the 1999 Guthrie Family Humanitarian Award for his clinical and research work in Huntington's Disease.

Hayden is the first Canadian to receive the award which recognizes a scientist, researcher or medical leader who has demonstrated compassion and concern for the care and support of people with Huntington's Disease and their families.

The award is given by the Huntington's Disease Society of America.

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Earth and Ocean Sciences Prof. Tom Pedersen has been appointed to a three-year term as chair of the Scientific Steering Committee of Past Global Changes (PAGES), an international scientific body in Bern, Switzerland.



Pedersen

PAGES is a flagship program of the Stockholm-based International Geosphere-Biosphere Program and is charged with co-ordinating and promoting research on the history of climate change on Earth.

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Chemistry Prof. Brian James is the recipient of this year's Canadian Catalysis Lectureship awarded by the Chemical Institute of Canada (CIC).

The annual award is given in recognition of leadership in the field of catalysis research in Canada. James's research has focused on hydrogenation and oxidation processes.

James, who has served as a faculty member at UBC for 35 years, was also awarded the 2000 CIC Medal for outstanding contributions to the science of chemistry or chemical engineering earlier this year.

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Educational Studies Prof. Daniel Pratt has earned the 1999 Cyril O. Houle Award for his book, *Five Perspectives on Teaching in Adult and Higher Education*.

The annual award is given to an individual whose book has contributed "significantly to the advancement of adult education as a unified field of study and practice." The panel of five judges was unanimous in choosing Pratt's book.

He is only the second Canadian to win the award, which was presented at the recent conference of the American Association for Adult and Continuing Education in San Antonio, Tex.

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Economics Prof. Erwin Diewert has been nominated to a prestigious panel charged with the responsibility of economic policy-making in the U.S.

Diewert will serve on the Committee on National Statistics Cost-of-Living Indexes Panel Study at the National Academy of Sciences. Diewert is the only member from outside the U.S. on the panel. The academy lists his "unmatched publication record on the topic" in the nomination.



Live long and prosper

Elderly part of learning equation



Hilary Thomson photo

Anthropology and Sociology Assoc. Prof. Janice Graham (back row, left) and graduate students from various disciplines recently did field research at UBC Hospital Purdy Pavilion extended care unit. Pictured with the students are three of the 44 residents living in the unit (front row, l-r), Gerald Evans, Fujiye Iwasaki and Barbara Freeland.

Student researchers step into 'new' culture

by Hilary Thomson

Staff writer

Anthropology graduate research is often associated with remote jungle villages but for 11 UBC students the research site was a lot closer to home — Purdy Pavilion, the extended care unit at UBC Hospital.

"This is another culture that most students have never set foot in," says Anthropology Assoc. Prof. Janice Graham. "It's as exotic as going to New Guinea."

The students in Graham's course, Anthropology 516: Qualitative Methods in Anthropology, come from disciplines ranging from planning to nursing. They conducted a comprehensive qualitative study at the unit that focused on how to provide a quality environment for residents, most of whom have dementia.

The unit is home to 44 residents and in February will be officially recognized as an interdisciplinary clinical, teaching and research unit (CTRU) model of extended care for people with dementia.

"These residents are really us in another 40 years or so," says Graham, a medical anthropologist who specializes in gerontology. "The students gained practical ethnographic experience — better than anything I could tell them about how individual lives are the central focus in an institution."

Students participated in residents' care over a six- to eight-week period. Their individual research projects looked at issues such as compassionate and ethical care, flexibility of environment, spiritual needs and what constitutes competence in people with cognitive and functional deterioration.

"Society tends to forget these people," says Louise Racine, a course participant who is working on a PhD in Nursing. "I learned that it's important to care for those less powerful in society — it was a different aspect of nursing care than I had seen before."

Staff on the unit made students very welcome which assisted their work, adds Racine.

"It was an intense experience for me," says Rosa Sevy, a History master's degree student. "I learned a lot about life — the

residents' stories touched me. There were many emotional issues."

Students reported their findings in a public presentation to residents, family and staff and offered a nine-page list of recommendations to the CTRU steering committee.

"The real value of this new unit will be academics and clinicians working together on day-to-day issues," says Dr. Martha Donnelly, head of Community Geriatrics in the Family Practice Dept. "We want to know how nurses, social workers, doctors, therapists — everyone involved with the patient — can work better as a team to care for these people."

Dementia may result from a variety of causes, says Donnelly. Multiple strokes, Alzheimer's disease, alcoholism and brain injury can contribute to or cause the disorder.

About 250,000 people in Canada suffer from dementia and about half are institutionalized.

New program builds skills needed to deliver quality care to aged

One of the certainties in the next century is an unprecedented aging population, which will require many more individuals to understand and respond to issues of older persons.

A new UBC certificate program — Counselling and Working with an Aging Population — addresses this rapidly growing need by giving individuals the skills and knowledge to assist seniors with personal, family and social issues.

The co-developers of the innovative, seven-month, part-time program are surprised by the wide appeal of the certificate being offered by Continuing Studies Women's Resource Centre (WRC).

"It's designed to address the real need for trained individuals to interact responsibly and respectfully with our aging population in many facets of their daily lives," says Clarissa Green,

One of every 10 persons is now aged 60 years or older. According to the United Nations, we are entering a millennium where soon a third of the population will be over age 60. Faculty, staff and students from a variety of disciplines at UBC are actively engaged in programs and projects aimed at helping to achieve the UN's stated Principles for Older Persons: independence, participation, care, self-fulfillment and dignity. Following are a few of their stories.

Learning a pleasure for keen senior students

by Hilary Thomson

Staff writer

Back to school isn't just kids' stuff, according to the many B.C. seniors who attend UBC free of charge every year.

Erica Thomson (no relation to the author) has completed more than 60 audited courses in 10 years of study at UBC and says she studies for the pleasure of it, taking three courses per term.

"I like to study about a place and then apply what I've learned by travelling to the region," says the 79-year-old Thomson.

A former United Nations worker in Sri Lanka, Thomson has travelled throughout India and other parts of Asia. She has taken

courses in virtually every aspect of Asian culture, from anthropology to religion.

"All my friends are under 50 years old," says Thomson who describes typical seniors' get-togethers as boring compared to the stimulation of classes and the energy of young students.

"I particularly appreciated Erica's presence in Indian literature courses," says Acting Assoc. Dean of Arts Kenneth Bryant, professor of Thomson's first UBC class. "The literature deals with a wide variety of human experience and there is no substitute for lived experience in understanding these texts — Erica provided the class with a perspective few younger students would have been ready for."

In addition to audit courses, seniors take graduate and undergraduate degree programs and unclassified courses that do not lead to a degree.

UBC alumna Fleurette Sweeney is pursuing a PhD through UBC's Centre for the Study of Curriculum and Instruction.

Sweeney, 70, says she was motivated to start a doctorate in 1995 "because I wasn't finished yet."

A teacher of music and singing since 1950, Sweeney's thesis looks at how singing together in class affects children as learners.

"It's just been fabulous," she says of her experience as a senior student. "I have access to equipment and the opportunity to learn new technologies."

Sweeney is unaware of being perceived as "an old woman." As for undertaking a doctorate late in life, she feels she's in a position to make a unique contribution after a lifetime in the field.

A Sister of Charity, Sweeney adds that she would not have been able to finance her studies without UBC's

policy of free education for seniors.

She expects to finish her thesis in 2001 and will likely do post-doctoral work in the area of acoustical analysis as it pertains to singing and speaking.

"We've had very positive feedback from both faculty and other students about seniors' participation in classes," says UBC registrar and director of Student Services Richard Spencer. "They bring a unique perspective to discussions, whether they're studying for their own interest or to get a degree they've always wanted."

Enrolment varies with an average of 80 students attending annually over the last three years.

Any B.C. residents who are Canadian citizens or permanent residents aged 65 years or older can attend UBC without paying application, tuition or student fees. Admission as a senior is not offered in areas such as Dentistry, Law, Medicine, Nursing or any faculty or school where existing facilities and resources are limited.

"All my friends are under 50 years old."

— Erica Thomson, age 79