THE UNIVERSITY OF BRITISH COLUMBIA

# UBC REPORTS

Volume 41, Number 4 February 23, 1995

# Innovation Fund issues in new era

by Gavin Wilson

*Staff writer*

Students living in the new Thunderbird housing complex can use high-speed networks to tap into learning resources on the World Wide Web from the comfort of their own rooms.

In a few months other students in courses as diverse as music, law and chemistry, will get "real world" experiences through computer-based simulations using multimedia technology.

And UBC students will join those in universities and colleges across B.C. in using interactive video conferencing to study the same course simultaneously.

These and other new teaching initiatives are being developed as UBC takes a major step toward 21st century classroom technologies with a series of projects funded by the provincial government.

More than 30 projects are being funded by a $2.67-million Skills Now Innovation Fund grant. They will take advantage of latest information technologies in computer networking, multimedia, video and specialized software to improve teaching and learning for students.

Martin Dee photo

**Bernard Sheehan, associate vice-president, Computing and Communications, shows Education Minister Art Charbonneau, left, an example of the multimedia technology that can be used for educational purposes as a result of the Skills Now Innovation Fund grant.**

The projects involve nearly every faculty on campus and the division of Continuing Studies. They include enhancements to UBC's computer networks, improved productivity in the classroom through computer technologies and better distance and open education via telecommunications technology.

"The timing of the Skills Now program matches the university's growing recognition of the need to place higher priority on the use of information technology in teaching and learning," said Bernard Sheehan, associate vice-president, Computing and Communications.

"The Innovation Fund will give the university the means to make a quantum leap forward in the application of new multimedia and broadband networking technologies."

One aim of the projects is to equip campus facilities for future extension of instruction via telecommunications and computer technology, linking UBC students to resources from around the globe, Sheehan said.

These innovative approaches to instruction will also teach students new skills that will prepare them to compete and adapt to the changing nature of the workplace once they graduate, he added.

Funding for the projects was announced Feb. 14 by Education Minister Art Charbonneau on behalf of Skills, Training and Labour Minister Dan Miller. Charbonneau made the announcement during a ceremony to officially open the expansion and renovation of the Scarfe Building.

The Innovation Fund is a program designed to increase the number of students learning applied and technical skills at B.C. post-secondary institutions.

It supports projects that offer new ways to serve more students, improving the efficiency and effectiveness of classroom instruction, and extending instructional programs and services to other institutions.

"Information technology has initiated a fundamental change in how we communicate," Charbonneau said.

"This funding will serve as a catalyst to help UBC incorporate information technology into the way it delivers education, as well as into the curriculum it teaches."

UBC is taking an integrated approach to the projects, which are co-ordinated

*See* ***INNOVATE*** *and related story on Page 4*

Gavin Wilson photo

**Mineralogist Lee Groat displays some of the rock samples collected during his field trips to the Northwest Territories, where he may have found the second largest deposit of lithium in the world.**

# UBC mineralogist finds massive lithium deposit

by Gavin Wilson

*Staff writer*

When UBC mineralogist Lee Groat began his field work in a remote corner of the Northwest Territories he wasn't sure what he would find, but it didn't take long to realize that he was on to something exciting.

The area was rich in pegmatites, a type of coarse-grained granite that contains a variety of rare elements and unusual minerals. No one had found significant numbers of pegmatites in Western Canada before.

Also remarkable was the age of the deposits, 82 million years, much younger than the geology of the surrounding region, indicating some previously unknown tectonic, or mountain-building, event.

But as interesting as the find was from a scientific point of view, it didn't

*See* ***LITHIUM*** *Page 2*

# Scarfe upgrade keeps pace with technology

Provincial Education Minister Art Charbonneau joined UBC dignitaries and about 125 invited guests at the official opening of the first phase of the Neville Scarfe Building's renovation and expansion on Feb. 14.

The Scarfe building, first opened in 1962, houses the Faculty of Education.

"The new and upgraded facilities will enable the faculty to take advantage of advances in technology to better prepare teachers and other educators for the schools of the future," said Education Dean Nancy Sheehan.

The centrepiece of the $15-million renovation is new space for the Education Library. As well as increasing study and meeting areas, the renovation makes it possible to transfer education journals and 16,000 books from the Main Library to the new facility.

Also included in the renovation are: new space for the Dept. of Counselling

*See* ***SCARFE*** *Page 5*

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# Letters

**LETTERS POLICY**

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## Bookstore hours reflect client demand

**Editor:**

I would like to respond to a letter submitted by David Abbott in which he expressed concern about the UBC Bookstore's hours of operation (*UBC Reports*, Feb. 9, 1995).

In order to serve the needs of our on- and off-campus customers we continually review the hours of operation at the UBC Bookstore. However, like any other business, sales in the bookstore must pay for the costs associated with opening the store.

Mr. Abbott is concerned that the bookstore has changed its hours twice in the last year. We discontinued the Wednesday evening hours last summer because the store was not busy enough to pay the staffing costs to remain open. Recognizing that the lack of evening hours was potentially an inconvenience, especially to our evening students, we experimented this fall with opening until 6 p.m. Monday through Friday. Unfortunately, after 5:15 the bookstore was empty and again we economically could not afford to remain open past 5 p.m. The UBC Bookstore, like any other bookstore, is open hours that are appropriate for its location and clientele. I would like to note that the store does have extended hours at the beginning of every fall and winter term.

Customers who cannot make it to campus during the weekdays can access the bookstore via phone (we have a toll-free number in B.C. 1-800-661-3889) and fax to place orders. The bookstore is also accessible on the Internet through the ViewUBC gopher at view.ubc.ca (port 70) or via the World Wide Web at http://view.ubc.ca/.. Electronic orders can be placed via e-mail at bkstore@unixg.ubc.ca. We provide next day delivery throughout the province so orders can quickly reach our customers.

**Debbie Harvie, Director**
**UBC Bookstore**

## Lithium

*Continued form Page 1*

prepare Groat for the news that, based on his reports and presentations, mining company Canamera Geological Ltd. had staked 35 square kilometres of the area with intentions of opening a mine.

"When they phoned to say they had staked it, I just about fell off my chair," said Groat, an assistant professor in the Dept. of Geological Sciences.

"I'm really surprised that the company is so interested. They were following the research we were doing and decided to stake it before anyone else did."

The reason for the mining company interest is lithium. Groat was not looking for it, but he may have found the second largest lithium deposit in the world. The site is estimated to contain 50 million tonnes of it.

Lithium has doubled in price in the last four years to $123 a kilogram, reflecting the rapidly-growing demand for what is the lightest and electrochemically most reactive of all metals.

Traditionally used in lubricating greases and to strengthen glasses, enamels and ceramics, lithium now is found in batteries, golf ball covers and drugs used to treat manic-depression.

Lithium can also be used in making synthetic rubber, aluminum alloy and to clean carbon dioxide from the air in spaceships.

Groat was drawn to the area, now dubbed the Little Nahanni Pegmatite Group, by old geological assessment reports that indicated he might find pegmatites there.

With funding from the Natural Sciences and Engineering Research Council, the Canadian Museum of Nature and the Department of Indian Affairs and Northern Development, he set out in the summer of 1992 to do the first comprehensive study of the area in collaboration with the museum's pegmatite expert Scott Ercit.

As a scientist, Groat's interest is in the rare elements and unusual minerals contained in pegmatites and the information they can reveal about ancient geological events.

Although much is known about granitic pegmatites in the Canadian Shield, this is the first attempt to conduct original research on the regional geology of pegmatites in the mountains of Western Canada.

The Little Nahanni Pegmatite Group is located near the Yukon border, about 185 kilometres north of Watson Lake, along a ridge of nameless peaks in the Selwyn Mountain range.

Steep and rocky, and set above the tree line at elevations ranging from 1,350 to 2,100 metres, the site is difficult to reach.

Groat and his fellow researchers are airlifted to the site each summer. From their base camp, they map and sample the veins of pegmatites found in the walls of cirques, steep-side alpine valleys scoured out of the mountainside by glaciers during the last ice age.

The mountains are starkly beautiful, but lurking with dangers. The team has been surprised by midsummer blizzards, encountered treacherous footing on the cliffsides and found wild animals prowling nearby.

The area's remote location may also hamper any future mine development, but an old road about 15 kilometres away could provide access, Groat said.

Meanwhile, his papers on the geochronology and mineralogy of the deposit have been submitted for publication in scientific journals.


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**UBC REPORTS**

UBC Reports is published twice monthly (monthly in December, June, July and August) for the entire university community by the UBC Public Affairs Office, 207-6328 Memorial Rd., Vancouver B.C., V6T 1Z2.

Managing Editor: Steve Crombie (scrombie@unixg.ubc.ca)
Editor: Paula Martin (pmmartin@unixg.ubc.ca)
Production: Stephen Forgacs (forgacs@unixg.ubc.ca)
Contributors: Connie Filletti (filletti@unixg.ubc.ca), Abe Hefter (hefter@unixg.ubc.ca), Charles Ker (charlesk@ unixg.ubc.ca), Gavin Wilson (gavinw@unixg.ubc.ca).

Editorial and advertising enquiries: (604) 822-3131 (phone), (604) 822-2684 (fax).

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# Honorary degree reflects actor Coghill's influence

by Connie Filletti

*Staff writer*

"Legendary figures have always come easy to Joy. She is one herself."

Herbert Whittaker, former drama critic for the Globe and Mail, was describing actor, director, artistic director, teacher and theatre producer Joy Coghill when he delivered that tribute in 1990.

Coghill, whose legendary portrayals include newspaper publisher Ma Murray and West Coast artist Emily Carr, will receive an honorary degree from UBC this year.

A veteran of stage and screen, Coghill is the recipient of numerous awards in recognition of outstanding performances and lifetime service.

**Joy Coghill**

In addition to several Jessie awards for her work in television and theatre, she has been honoured with the YWCA's Woman of Distinction Award and the Order of Canada.

Last year an honorary degree was conferred on her by Simon Fraser University.

After graduating from UBC in 1947, Coghill earned a master's degree in Fine Arts from the Art Institute of Chicago. She returned to Canada and taught at UBC between 1952 and 1962.

At the same time, Coghill served as a producer and artistic director at UBC's Frederic Wood Theatre for two seasons.

She has also enjoyed a career as a teacher, producer and artistic director at the National Theatre School of Canada, the Vancouver Playhouse and DePaul University, Chicago.

Among her many successes was the commissioning and production of The Ecstasy of Rita Joe during her tenure as artistic director of the Vancouver Playhouse in the late 1960s.

In 1953, Coghill was the founder and artistic director of the Holiday Theatre, Canada's first children's theatre using professional talent.

The UBC Tributes Committee, which recommends nominees for honorary degrees, said that Coghill is distinguished by her influence on all aspects of theatre in Canada.

She was also cited for her great achievement as a teacher, mentor and inspiration to artists of all kinds within the cultural community.

Coghill will receive her honorary degree during UBC's Fall Congregation, Nov. 23.

*(This is the second in a series of articles featuring UBC's 1995 honorary degree recipients.)*

Gavin Wilson photo

## Musical Treat

**Symphony Orchestra viola player Frank Tennigkeit warms up before an orchestra performance in the Old Auditorium. The concert was part of ArtsFest, the mid-February celebration of the arts at UBC that features plays, poetry, music, visual art exhibitions and readings by students in the creative and performing arts departments within the Faculty of Arts.**

# Prof seeks increase in women in engineering

by Gavin Wilson

*Staff writer*

**Women are poised to make great contributions to the engineering profession, but despite recent gains still face many hurdles, says one of Canada's prominent engineering professors.**

Engineering, at universities and in the workplace, must undergo a major cultural shift before it is entirely welcoming to women, says Monique Frize, who holds the Northern Telecom-NSERC Women in Engineering Chair at the University of New Brunswick.

**Monique Frize**

Frize was named to the chair in 1989 and given a mandate to lead efforts to increase the participation of women in the engineering profession across the country.

She also headed the Canadian Committee for Women in Engineering, which produced 1992's landmark study on women in engineering, More Than Just Numbers.

Now Frize has brought her message to the West Coast, where she is a visiting professor in the Faculty of Applied Science at UBC until the end of April.

**Here at the invitation of the dean of Applied Science, Axel Meisen, Frize will deliver lectures and network with students and faculty at the university, as well as visit other schools throughout the Lower Mainland.**

She believes that having more women in the ranks of engineers will benefit the entire profession by bringing their different perspectives and values to the job.

Women, Frize said, tend to be more sensitive to the needs of diverse social groups and to the importance of the environment, health and occupational safety, good communications and personal relationships.

"Engineering has not shown enough concern for societal impacts," Frize said. "It can be a caring profession, but it needs more women to bring this out, to show that engineers are not just machine-people, they can be people-people."

Efforts to bring more women into the profession are paying off, she added. The number of women enrolled in undergraduate and graduate programs has doubled in the past eight years, but it still only represents about 20 per cent of students, Frize said.

To her dismay, one-third of Canadian university engineering programs have failed to hire a single female professor. Among those that have, women make up only five per cent of the faculty.

"We're doing many things right, but we have a long way to go," Frize said.

Part of the problem is that the workplace and academia are androcentric, or male-centred, she said.

"The system now values the way men do things."

For example, she said, there is too much stress on competition — from the classroom to hiring and tenure decisions — instead of co-operation, an attribute more common among women.

As well, university teaching should incorporate women's values, such as holistic perspectives, societal relevance and environmental concerns. Women are often less interested in "hard-core" engineering than its more humanistic pursuits, she said.

The profession also has to understand that women often interrupt their careers to have children, which is still frequently at odds with the accepted career path.

A large part of Frize's job is to clear up myths and misconceptions, such as those commonly held about equity programs. When viewed incorrectly as quota systems, equity programs are seen by some men as a threat, and by women who want to get jobs based on merit alone, as an insult.

Frize also runs into a lack of understanding in some women's studies departments.

"Sometimes they think of us as men, but we have our own type of feminism; we choose a career we enjoy and then try to succeed in it."

As the holder of a national chair, Frize travels widely and speaks across the country. She takes part in forums, visits elementary and secondary schools, meets teachers, parents and guidance counsellors to stress the importance of science education for girls, and consults with employers and professional associations to suggest ways to improve working conditions and climate for women.

Frize is also a visiting scholar at Green College and will liaise with researchers at the Centre for Integrated Computer Systems Research (CICSR). Her research concerns applications of engineering and computers to medicine.

# Offbeat

*by staff writers*

What are borborygmi?
1) a form of northern lights
2) a tribe from J.R.R. Tolkien's Lord of the Rings
3) the bubbling noises in your bowels
4) an Italian cabbage

You'd know the answer if you were watching the science quiz on the Discovery Channel's flagship show, @discovery.ca. (pronounced At Discovery Canada).

A group of UBC professors is among the teams that compete on the often irreverent quiz segment of the hour-long show. The program, which airs at 8 p.m. Monday to Friday, is a mix of science news and interviews that is informative, but tries for a light tone.

The UBC faculty members are a regular feature on Monday nights, when they go head-to-head against teams of other university professors.

Marked by banter and friendly rivalry, the quiz is like a cheeky, loose version of Reach for the Top.

"That's because Vancouver has more stingrays than we have in Sudbury," one Laurentian university professor said in mock protest after the UBC team correctly answered a question about the stingray's venom.

The UBC squad, who have quickly built a reputation as the team to beat, are: Chemistry Prof. Bob Thompson, Janis McKenna, an assistant professor in the Dept. of Physics, Rosemary Redfield, an assistant professor in Zoology, and team captain Sid Katz, a Pharmaceutical Sciences professor and director of Science World. Occasionally filling in as a spare is Maria Issa, a clinical assistant professor in the Dept. of Pathology,

The show @discovery.ca is hosted by Jay Ingram, former host of CBC Radio's Quirks and Quarks, and Judy Haladay, former CITY-TV science reporter.

The approach they take to science broadcasting seems to be working. With an average primetime audience of 80,000, the Discovery Channel is the most successful of the seven new cable specialty channels that were launched Jan. 1.

In its first week it was seen by more than half of English Canada's six million households with cable TV, reaching about 6.3 million viewers.

And if you're still wondering about borborygmi, we have two words for you: bowel noises.

Here's a sample of other questions from recent shows, with the answers given below:

a) Take the year that Einstein unveiled his special theory of relativity. Subtract the number of common amino acids in protein. Add the number of karats in pure gold. And finally, add the number on Gordie Howe's Detroit Red Wings jersey. What's the total?
b) Who was Darwin's Bulldog?
c) What is the coldest air temperature ever recorded?
d) What club did astronaut Alan Shepard use to hit a golf ball on the moon?
e) Seen from space, what colour is the sun?

Answers:
a) 1,918
b) Thomas Henry Huxley
c) -89 C
d) six iron
e) white

## News Digest

Heather-Jane Robertson, director of professional development services for the Canadian Teachers' Federation, will deliver a public lecture exploring education reform on March 2 at 7:30 p.m. at UBC's Museum of Anthropology.

Robertson, with Maude Barlow, is co-author of Class Warfare: The Assault on Canada's Schools — a controversial look at the present condition of Canada's embattled public education system. The authors contend that business, government and the religious right are allies in a campaign to destroy the credibility of the public education system. For more information, please call 822-0859.

• • •

PATSCAN's third annual environmental innovation contest is now open, with all post-secondary students in B.C. eligible to compete.

The goal is to invent a novel, workable and commercially viable device or process that can be used in the clean-up, protection or conservation of the environment.

There are separate categories for undergraduate and graduate students with first and second prizes of $1,000 and $500 in each category. Entrants retain all rights to their inventions. Winners will be announced at a ceremony in May. Deadline for entries is noon, April 14.

This year's contest is sponsored by the Science Council of B.C. PATSCAN is a UBC library-based patent search service.

For more information, call 822-5404.

• • •

Fund-raisers for the Faculty of Education set a new UBC record for the most money raised in a single night of telephone solicitation in a recent campaign.

Thirteen callers and 168 donors raised $11,118 on one night to set the new record, topping the original record of $10,040 established in June, 1993 during a campus-wide pledge night.

A total of $19,998 was pledged over two nights, with most of the funds going towards the Dean of Education Scholarship Fund.

• • •

More than 100 applied science graduate students from UBC, SFU and UVic will be showing off their research during the B.C. Advanced Systems Institute Graduate Students Presentation Day.

The annual event takes place March 7 from 10 a.m. to 3:30 p.m. at the Robson Square Conference Centre.

In what is billed as the most impressive gathering of British Columbia's young high-tech talent, computer science and engineering graduate students will demonstrate their work, present posters and talk to industry representatives about their theses research.

The event is free, but pre-registration is required. Call 689-0551 for more information.

• • • •

The Faculty of Graduate Studies is on the move.

The faculty will vacate the second-floor premises in the General Services Administration Building at 2075 Wesbrook Mall in favour of the Graduate Student Centre, across Marine Dr. from the Museum of Anthropology, on Feb. 27.

The new address of the Faculty of Graduate Studies will be: 6371 Crescent Road, Vancouver, B.C., V6T 1Z2, Campus Mail Zone 2.

The faculty's phone numbers and e-mail addresses will remain the same.

As a result of the move, the faculty will offer limited service Friday, Feb. 24 up until 3 p.m. and will be closed all day Monday, Feb. 27. It will again offer limited service Tuesday, Feb. 28 and will be fully operational on March 1.

• • •

UBC's Co-ordinator of Health Sciences Office is seeking nominations for its annual interdisciplinary health care award.

The McCreary Prize, named after Dr. John McCreary, UBC's first co-ordinator of Health Sciences, recognizes and promotes professional teamwork in the health professions.

Nominees may be groups of individuals as well as organizations involved in health care in B.C. which reflect the co-operation of three or more health-care disciplines. Their activities must demonstrate innovation or excellence and creative teamwork leading to improved patient care.

The deadline for nominations is May 31, 1995. The award will be presented during UBC's annual Health Sciences Week in October.

For more information, call 822-5083 or 822-3564.

• • •

The Canadian Council of Professional Engineers' 1995 National Scholarship Program is open to competition.

Six cash prizes totalling $45,000 will be awarded to promote excellence in the Canadian engineering profession through the promotion of advanced studies and research programs.

To be eligible, candidates must be registered as full members with one of the provincial or territorial professional engineering associations and have been accepted for post-graduate studies by a recognized university.

Deadline for nominations is May 1. For more information, contact the Association of Professional Engineers and Geoscientists of B.C. at 299-7100.

• • •

A UBC Bookstore contest that gave students the chance to win their textbooks for all their courses attracted 7,249 entries.

The winner was Lisa Panam, a fourth-year Arts student, who won the value of her texts for the second term. She received her prize from Faculty of Arts Dean Pat Marchak.

Second and third prizes included a ClarisWorks software package and Keg Restaurant gift certificates.

The contest will be offered at the beginning of each September and January term.

# High-tech teaching gives students "virtual" experience

by Gavin Wilson

*Staff writer*

One high-tech teaching project funded by the Innovation Fund uses multimedia technology to give Plant Science students a "virtual" experience of what it is like to diagnose turfgrass disease problems.

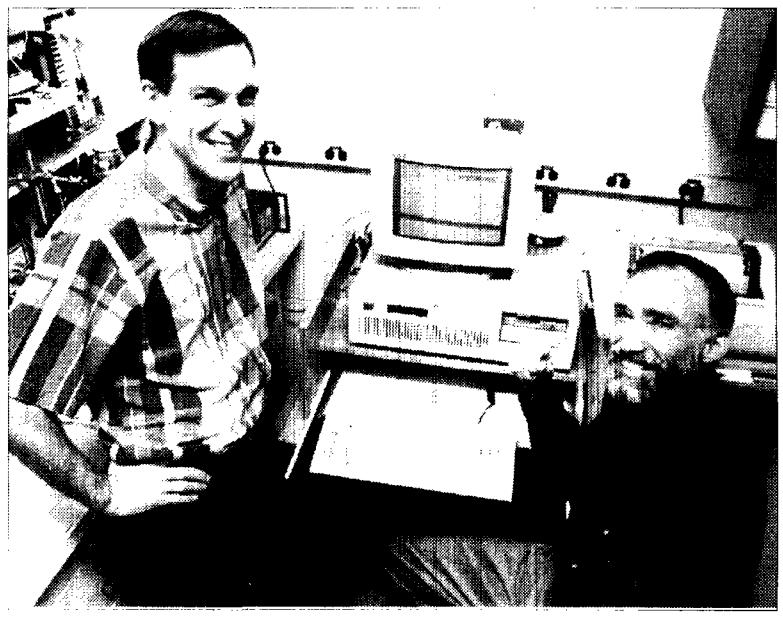
Turfgrass disease is a concern for sod farms, golf courses, parks and sports fields, and a good example of the type of problem faced by professional plant scientists.

Plant Science Prof. Brian Holl, who is overseeing the project, is impressed by the prototype being developed by the Media Resources Network.

"What excited me was that they have an impressive grasp of how to put this into a realistic interactive context," Holl said.

A phone on the desk in the computer-simulated office rings. It's a golf course superintendent — or more precisely, his virtual equivalent — with a turfgrass disease problem.

The students will look at photos of the site and problem area, get samples online, do tests or send them to another lab for analysis. There is even a planned connection to the World Wide Web so students can conduct real searches of information databases.



Gavin Wilson photo

**Leading efforts in the Dept. of Plant Science to bring instruction into the multimedia computer age are Brian Holl, left, professor of Plant Science, and Department Head Brian Ellis.**

They can then make a diagnosis and suggest a remedy.

"We wanted to make it as real an experience for the student as we could. The student makes the decisions all the way through," Holl said.

"Instead of getting the information by watching me write on a blackboard or reading a handout, they are working through the process, and learning where the resources are."

The technology will also free up Holl as an instructor, giving him more time to move beyond the basics.

"My intention is to use this as a starting point, to explore issues further," he said.

A version of the turfgrass project should be ready for testing by students in September. It is a pilot project that will form the basis of future developments in other areas of plant science.

## Innovate

*Continued from Page 1*

through the Media Resources Network, a group that has representatives from all faculties.

Sheehan said the funding will serve as a stimulus to the growing number of campus initiatives that are making exciting, fundamental changes to the way instruction is provided at the university.

The projects build on UBC's strengths, he added. Many of the projects are possible only because of the investment in a sophisticated telecommunications infrastructure made in recent years to serve the research and teaching needs of the university.

# Centre develops medical devices

UBC researchers are part of a new joint venture designed to commercialize applied medical technologies.

The Medical Device Development Centre, located at the Jack Bell Research Centre adjacent to Vancouver Hospital and Health Sciences Centre, was officially opened Feb. 8.

The centre has 630 square metres of laboratory and research space, giving it the capability of accommodating 10 to 15 projects at the same time.

The centre is a collaborative venture among UBC, SFU, BCIT and Vancouver Hospital. Other partners include the Science Council of B.C., the provincial government and the private sector.

Most funding for projects is expected to come from the private sector, to help assure a strong market and clinical-need orientation.

Researchers from UBC's Dept. of Pathology and Laboratory Medicine are involved in a pilot project called Hospitals Without Walls.

They will look at ways of using medical device and health information technology to identify and reduce unnecessary duplicate diagnostic imaging and testing in clinical laboratories.

The project is aimed at reducing costs in health care delivery in B.C. while at the same time improving its quality.

In another project, researchers from the departments of Electrical and Mechanical Engineering are part of a team developing a new surgical tourniquet system that will improve safety and performance accuracy for patients. It will be introduced as a commercial product in 1995.

Also under development is a pressure transducer for measuring pressures applied to a body surface, tissue or organ by any of a wide range of medical devices, such as surgical retractors, mammography systems, prosthetics and tourniquet cuffs.

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I was trained in Paris and worked for Nexus as a platform artist. I invite you to my recently opened salon in Kitsilano. I will be appearing on live TV February 28 from San Diego and Los Angeles.

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UBC Archives photo

## . . . And Now

**Cutting the ribbon to open the expansion and renovation to the Faculty of Education's Scarfe Building were, below (l-r), President David Strangway, left, Board of Governors Chair Barbara Crompton, Education Minister Art Charbonneau and Dean Nancy Sheehan.**

## Then . . .

**Present at the opening of the Scarfe Building in 1962, above, were (l-r) UBC President John Macdonald, Education Minister Leslie Peterson, Dean Neville Scarfe and Chancellor Phyllis Ross.**

Martin Dee photo

# Scarfe

*Continued from Page 1*

Psychology; centralized and upgraded facilities for Education Computing Services; a consolidated Teacher Education office; teaching and study space; a performing arts studio; research areas for graduate students; a student lounge; and fire safety and seismic upgrading.

The expansion will replace 50-year-old huts many faculty and students worked and studied in. It will also help the faculty move toward consolidation of teaching and research activities that until now were housed in 18 different locations around campus.

The renovation and expansion were funded by the provincial Ministry of Skills, Training and Labour.

Work is already underway on phase two of the renovation, which involves exterior recladding, further seismic upgrades, and office and classroom improvements. The renovation is expected to be completed by February 1996.

# UBC team tackles strategic issues

Tuition policy, enrolments and the internationalization of campus are three of a dozen strategic issues under scrutiny by a team of UBC administrators and academics.

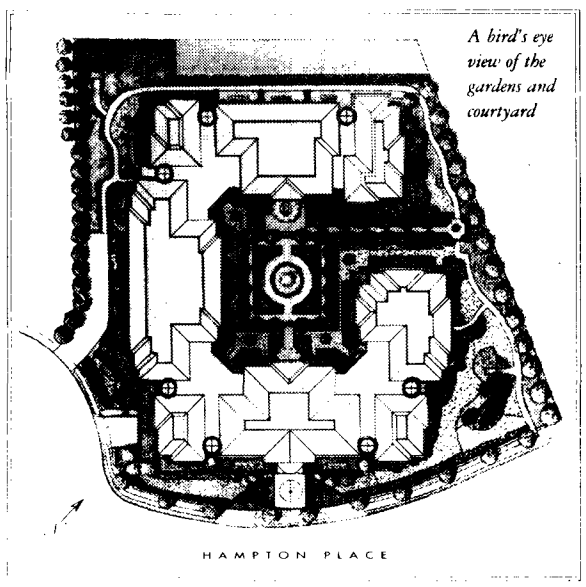
Led by Vice-president, Academic and Provost Dan Birch, the team is in the process of writing a series of discussion papers on matters critical to UBC. It is hoped that recommendations from the various papers can be consolidated into a draft plan by the end of April.

"It is crucial that we develop a campus-wide plan of action in each of these areas as part of an ongoing effort to be more accountable, responsive and flexible to public concerns and needs," said Birch. "The development of clear direction should also have a beneficial impact on the learning, teaching and research environment at UBC."

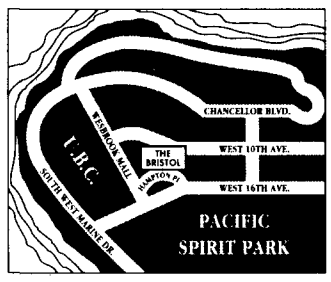
Other discussion paper topics include: operational efficiency, human resource development, differentiated roles for faculty, year-round credit operations, internal funding policies, teaching and learning technology, research, generation and management of capital (university land and endowment assets) and the organization of natural resource studies.

These papers supplement and enhance planning activities underway in many campus areas. Strategic planning in faculty and support units will contribute specific goals for the university-wide plan to be consolidated this spring.


THE BRISTOL
AT HAMPTON PLACE




*SURROUNDED BY GARDENS*
YET STANDING ALONE




**LOCATED ON THE GROUNDS OF THE UNIVERSITY OF BRITISH COLUMBIA,** YET ONLY MOMENTS FROM ALL THE CONVENIENCES OF A WEST POINT GREY LOCATION. UNIVERSITY GOLF CLUB, UNIQUE AND STYLISH SHOPS ARE ALL NEARBY, WITH QUICK AND EASY COMMUTES TO DOWNTOWN AND VANCOUVER AIRPORT. NEAR IT ALL, YET FAR FROM THE ORDINARY.

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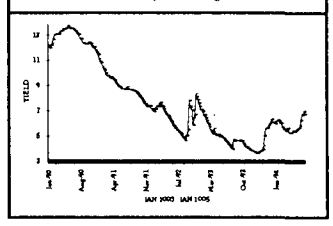
February 17, 1995

RATE SHEET

CANADA 90 DAY T-BILL YIELD
weekly closing




CANADA TREASURY BILLS

| DAYS | MATURITY | YIELD | PRICE |
|---|---|---|---|
| 29 | MAR 16/95 | 7.40% | $99.45 |
| 57 | APR 13/95 | 7.60 | $98.88 |
| 85 | MAY 11/95 | 7.80 | $98.33 |
| 176 | AUG 10/95 | 7.90 | $96.44 |
| 358 | FEB 08/96 | 8.10 | $92.85 |

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| | 1YR | 3YR | 5YR |
|---|---|---|---|
| TD BANK | 7.50% | 7.87% | 8.37% |
| VAN CITY | 7.75 | 8.13 | 8.88 |
| CITIZEN | 8.00 | 8.50 | 8.75 |
| RICHMND | 7.75 | 8.25 | 8.75 |

ALL RATES QUOTED ABOVE ARE SUBJECT TO CHANGE WITHOUT NOTICE. The information presented herein has been compiled from various sources. Although these sources are believed to be reliable, their accuracy cannot be guaranteed.

# Calendar

## February 26 through March 11

### *Monday, Feb. 27*

**Pacific Spirit Noon Hour Series**
Aids As A Teacher. Scott Robertson, MSW. Social Work 028, lower level at 12pm. Call 822-4824.

**Earth/Ocean Sciences Seminar**
Laurentide Ice Sheet Outburst Floods. Dr. John Shaw, Geography, U. of Alberta. BioSciences 1465 at 3:30pm. Call 822-8684.

**Biochemistry/Molecular Biology Seminar**
Protein-protein Interaction In Signal Transduction. Dr. Tony Pawson, Samuel Lunenfeld Research Institute, Toronto. IRC #4 at 3:45pm. Refreshments at 3:30pm. Call 822-9871.

**Astronomy Seminar**
The Microwave Sky Today. Douglas Scott, U. of Calif., Berkeley. Geophysics/Astronomy 260 at 4pm. Coffee at 3:30pm. Call 822-2267.

**IHEAR Seminar**
Temporal Clues For Speech: Linear Versus Compression Hearing Aids. Dr. Chris Turner, Syracuse U., NY. James Mather annex #2 at 4pm. All welcome. Call 822-3956.

**Commerce Seminar**
Teaching/Learning: Where Do They Meet? Dr. Tom Knight, Commerce alumni Talking Stick Award winner, 1994. David Lam 142 from 4-5:30pm. Refreshments. Call 822-8488.

**Comparative Physiology Seminar**
Ephithelial Chloride Transport: From Sharks To Humans. Dr. John Hanrahan, Physiology, McGill U. BioSciences 2449 at 4:30pm. Call Dr. Phillips at 822-3168.

### *Tuesday, Feb. 28*

**MOST Workshop**
Disability Awareness. Janet Mee, advisor, Disability Resource Centre. Brock Hall 0017 from 9am-12pm. Call 822-9644.

**Animal Science Seminar Series**
Growth In Double-crested Cormorants. Terry Sullivan, MSc student, Animal Science. MacMillan 256 at 12:30pm. Refreshments. Call 822-4593.

**Pharmaceutical Sciences Seminar**
Analysis Of Platinum Antineoplastic Compounds. Robbin Burns, grad student, Pharmaceutical Sciences. IRC #3 at 12:30pm. Call 822-4645.

**Botany/Biotechnology Seminar**
A Role For Protein Farnseylation In Plant Hormone Signal Transduction. Dr. Peter McCourt, Botany, U. of Toronto. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

**Lectures in Modern Chemistry**
Biological Activities And Structural Analogy With Organic Phosphates. Prof. Debbie Crans, Chemistry, Colorado State U., Fort Collins, Colorado. Chemistry 250, south wing at 1pm. Refreshments at 12:40pm. Call 822-3266.

**Oceanography Seminar**
Organic Matter Preservation In The Arabian Sea: Preliminary Results/ A Research Outline. Dr. Greg Cowie, Oceanography. BioSciences 1465 at 3:30pm. Call 822-4511.

**Graduate/Faculty Christian Forum**
The Illusion Without A Future? Freud's Views Of Religion. Dr. Keith Krull, Vancouver Christian Counselling Centre. Buchanan B-Penthouse at 4:15pm. Coffee at 4pm. Call 822-3268.

**Green College Seminar**
Race, Gender, Documentary: The Making/Marketing Of Flaherty's Nanook Of The North. Dr. Sherrill Grace, English. Green College recreation lounge at 5:30pm. Call 822-8660.

**Continuing Studies Program**
Intermediate Photography: In Studio/On Location, SA2573. Gary Wildman. 969 West 1st Street, N. Vancouver from 7-10pm. $170. Call 822-1450.

**Continuing Studies Program**
2 of 6: Musical Journeys, Western Classical Music, LB2069. Colin Mills. Music 113 from 7:30-9:30pm. $85; seniors $65. Call 822-1450.
2 of 6: Tigers/Dragons: Chinese Art Through History, LB 2074. Jin Li, MA, director, Chinese Canadian Artist Federation. Lasserre 107 from 7:30-9pm. $65; seniors $45. Call 822-1450.

### *Wednesday, Mar. 1*

**Microbiology/Immunology Seminar**
The Mechanism Of Leukemic Cell Killing By IL-2 Activated Natural Killer (LAK) Cells: The Role Of Cell Adhesion Molecules. Guitta Maki, Microbiology/Immunology. Wesbrook 201 from 12-1:30pm. Call 822-3308.

**Noon Hour Concert**
Trio Phoenix: Lieve Schuermans, flute; Simon Turner, cello; Brigitte Poulin, piano. Music recital hall at 12:30pm. Admission $2.50. Call 822-5574.

**Arts Week - Beyond The BA Lecture**
Continues Mar. 2, 3. The Changing Job Market & You. Diane Alfred, economist/Human Resources Development of Canada. Buchanan A-104 from 12:30-1:30pm. Call 822-4403/8917 for locations and titles.

**Japanese Research Seminar**
A Cross-cultural Comparison Of Advertisements In Japanese And North American Women's Magazines. Nariko Takayanagi, Sociology. Asian Centre 604 from 12:30-2pm. Call 822-2629.

**Forest Sciences Seminar Series**
Battling The Insect Challenge For Forest And Fibre. Dr. John McLean. MacMillan 160 from 12:30-1:30pm. Call 822-9377.

**Geography Colloquium**
Glacier Dynamics/Anomalous Post-Glacial Emergence On Ellesmere Island. Dr. John England, Geography, U. of Alberta. Geography 201 at 3:30pm. Refreshments. Call 822-4929.

**Pharmaceutical Sciences Seminar**
Two Weeks Versus Four Weeks Antibiotic Therapy In Rightsided Endocarditis. John MacReady, PharmD student, Clinical Pharmacy. Vancouver Hosp/HSC, UBC Pavilion G-279 from 4-5pm. Call 822-4645.

**Respiratory Seminar Series**
PCP - Ten Years In The Making. Dr. Julio Montaner, Medicine. Vancouver Hosp/HSC Laurel Pavilion Taylor-Fiddler conference room from 5-6pm. Call 822- 7128.

**Green College Seminar**
Writing For The Real World: How To Get Academic Work Published In The Popular Market. Vickie Jensen, author, photographer, former magazine editor. Green College recreation lounge at 5:30pm. Call 822-8660.

**Medical Topics Lecture Series**
Breast Cancer. Dr. Charmaine Kim-Sing, Surgery. Carr Hall conference room from 7:30-9:30pm. $20/lecture; $75 for all four. Call 822-1450.

**Ethnic Studies Program Speakers Series**
On Ethnicity In Canada. Prof. James Frederes, Sociology, U of C. Green College recreation lounge at 8pm. Call 822-5129. Also speaking at Hotel Georgia York Room from 12-1:30pm. $65, seniors $45. Call 822-1450.

### *Thursday, Mar. 2*

**Fisheries Centre Workshop**
Impact Of Changes In North Pacific Oceanographic Regimes On Coastal Fisheries. Ralf Yorque Room, Fisheries Centre (Hut B-8) from 8:30am-4:30pm. Registration required. Call 822-0618.

**Forestry Seminar**
First Nations And Land Use Questions: How Did We Get To This Point And Where Should We go From Here? Patrick Kelly, Aboriginal Relations, BC Hydro. MacMillan 160. 1:30-2:30pm. Call 822-0951.

**Academic Lecture**
Moving Beyond Familiar Territories: Psychiatry And Alternative Local Knowledges. Sharon Fuller, Anthropology/Sociology. Vancouver Hosp/HSC Detwiller Pavilion lecture theatre at 9am. Call 822-7550.

**Genetics Graduate Program Seminar**
Using A Protein Clock To Determine The Divergence Times Of The Major Kingdoms Of Living Organisms. Dr. Russell Doolittle, Centre for Molecular Genetics, Chemistry, U. of Calif. at San Diego. Wesbrook 201 at 4:30pm. Refreshments at 4:15pm. Call 822-8764.

**Music Concert**
UBC Chinese Ensemble. Alan Thrasher, director. Asian Centre music room at 12:30pm. Call 822-5574.

**Author Reading**
Evelyn Lau reads from House of Slaves; Fresh Girls; Oedipal Dreams, and new work-in-progress. Buchanan A-100 at 12:30pm. Call 822-0699.

**South Asian Research Seminar**
Taslima Nasrin: Women On The Firing Line. Dr. Mandakranta Bose, honorary research assoc., Institute of Asian Research. Asian Centre 604 from 12:30-2:30pm. Call 822-2629.

**Chinese Research Seminar**
Quantum Tao: The I Ching, An Ancient Concept/Modern Science. Mondo Secter, research assoc., Institute of Asian Research. Asian Centre 604 from 3:30-5pm. Call 822-2629.

**Psychology Colloquium**
The Development Of Extraordinary Moral Commitment. Prof. Anne Colby, Psychology, Radcliffe College. Kenny 2510 from 4-5pm. Call 822-3078.

**Green College Seminar**
Community Empowerment In Low-Income Neighborhoods. Libby Davies, Vancouver municipal politician/activist. Green College recreation lounge at 5:30pm. Call 822-8660.

**BC Consortium for Humanities/Social Sciences**
Reforming From The Right. Heather-Jane Robertson, co-author, with Maude Barlow, of Class Warfare: The Assault On Canada's Schools. MOA at 7:30pm. Call 822-0859.

**Continuing Studies Seminar Series**
2 of 4: T.S. Eliot, LB2064. John Cooper, PhD, English. Buchanan B-317 from 7:30- 9pm. $45; seniors $25. Call 822-1450.
1 of 3: Ocean Islands: Microcosms Of Planet Earth. Tony Jones. Family/Nutritional Sciences 40 from 7:30-9:30pm. $50. Call 822-1450.
1 of 4. Myths Of Ancient Greece, LB2070. Harry Edinger, PhD, Classics; Val Sutherland, chair of Art History, Langara College. Hellenic Community Centre from 7:30-9pm. $25; seniors $10. Call 822-1450.

**Distinguished Speakers Series**
1 of 4: Thinking Your Way Past The Disease Of Post-Modernism. Prof. Frithjof Bergmann, Philosophy, U. of Michigan. Hotel Georgia from 7:30-9:30pm. $10. Call 822-1450.

**Recycling Today/Tomorrow**
1 of 2: Waste Reduction Initiatives In Vancouver. Julie Gordon. Family/Nutritional Sciences 60 from 7:30-9:30pm. $40. Call 822-1450.

**Brenda/David McLean Lectures in Canadian Studies**
From Audience To The Stage: The Re-Emergence Of Aboriginal Peoples. Green College recreation lounge at 8pm. Call 822-8660.

### *Friday, Mar. 3*

**Pediatrics Grand Rounds**
The Multi-Disabled Child: Do We Care? Implications Of The Latimer Case. Dr. Robert Armstrong, Medical director, Sunny Hill Health Centre for Children. GF Strong auditorium at 8:30am. Call 875-2307.

**Health Care/Epidemiology Grand Rounds**
Surveillance of Nasal Cancer, Bladder Cancer And Mesothelioma To Locate Sources Of Occupational Carcinogens. Mather 253 from 9-10am. Paid parking in B Lot. Call 822-2772.

**Graduate Student Professional Development Session**
Making An Argument. David Lam lower level seminar room from 12-2:30pm. Use entrance behind Trekkers. Call 822-9149.

**Psychology Colloquium**
Learning/Resistance: When Developmental Theory Meets Educational Practice. Bill Damon, Brown U. (via Stanford). Kenny 2510, Peter Suedfeld lounge at 12:30pm. Call 822-3005/3078.

**Green College Science/ Society Lecture**
A Social History Of Truth. Prof. Steven Shapin, Sociology/Science Studies, U. of Calif., San Diego. Buchanan A-104 at 12:30pm. Call 822-8660.

**Law Seminar Series**
Taxing times For Lesbians/Gay Men: Equality At What Cost? Claire Young, Law. Curtis Law 149, faculty conference room from 12:30-1:30pm. Call 822-3151.

**Pharmaceutical Sciences Seminar**
Modulations Of Thalamic Activity Across The Sleep-wake Cycle. Dr. Marcus von Krosigk, Psychiatry. IRC #1 from 12:30-1:30pm. Call 822-4645.

**Occupational Hygiene Programme Seminar**
Occupational Diseases In British Columbia—Issues Related To Schedule B. Dr. Neva Hilliard, director of Central Operations, BC Workers Compensation Board. CEME 1202 from 12:30-1:30pm. Call 822-9595.

**Japanese Research Seminar**
Lafcadio Hearn: Japan's Great Interpreter. Dr. Sukehiro Kirakawa, prof. emeritus, Tokyo U. Asian Centre 604 from 1:30-2:30pm. Call 822-2629.

**International Forum Seminar**
Japanese/Canadian Approaches To Regional Institution Building. Dr. Lawrence Woods, Political Sciences. Green College Graham house, small dining room at 3pm. Call 822-8660.

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, 207-6328 Memorial Road, Vancouver, B.C. V6T 1Z2. Phone: 822-3131. Fax: 822-2684. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the March 9 issue of UBC Reports — which covers the period March 12 to March 25 — is noon, February 28.

THE UNIVERSITY OF BRITISH COLUMBIA

# REPORT ON THE SURVEY OF STUDENTS WITH DISABILITIES

**Note: This section contains excerpts of the above report; for a full copy please contact the Disability Resource Centre. As well, your comments about the survey are welcomed by Ruth Warick, DRC Director (Telephone 822-4677, E-Mail: rwarick@unixg.ubc.ca) or Janet Mee, Advisor (Telephone 822-8950, E-Mail: mee@unixg.ubc.ca) Fax: 822:6655.**

**Introduction**
A recent survey of students with disabilities attending the University of British Columbia gathered information on how students with disabilities are affected by current levels of service. The questionnaire was developed by the Disability Resource Centre with the assistance of the Centre's Advisory Committee and Crane Library. In March of 1994, the questionnaire was sent out to 120 students registered with the DRC and Crane and was available in different formats as needed. The Educational Measurement Research Group at UBC was commissioned as the objective third party to collect and analyze the results.

In all, 36.7% of those who received questionnaires responded. All findings in the report were based on the experiences and perceptions of these 44 students responding to the survey questionnaire. While these experiences may also have been similar to those of other students who have disabilities, since not all the students contacted responded to the survey, the findings may not be exhaustive or necessarily conclusive.

The following were some of the highlights of the respondent profile:

**Age**
- 36.4% were under 25 years of age
- 75% were under 35 years of age
- 6.8% were over 45 years old

**Gender**
- 54% women responded vs 45.4% men

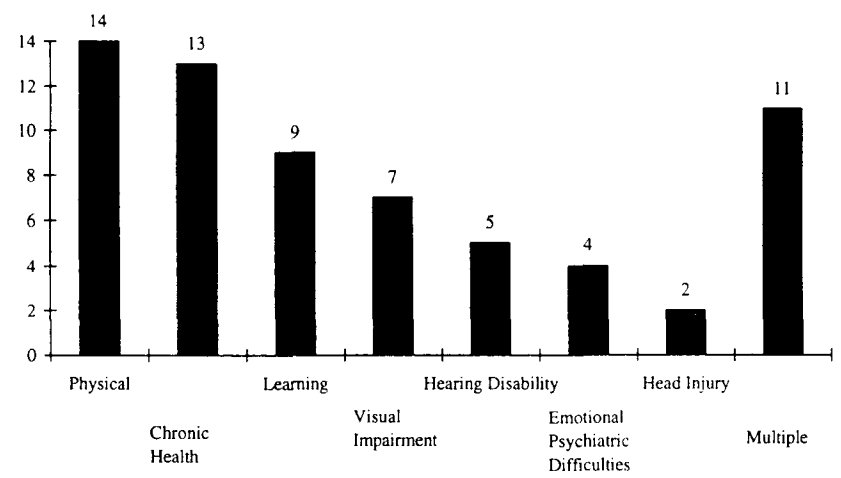
**Faculty Enrolment**
- 40.9% Arts
- 20.5% Graduate Studies
- 9.1% Applied Science
- 6.8% Education
- 6.8% Law
- 4.5% Science
- 2.3% Agriculture
- 2.3% Commerce
- 2.3% Forestry

**Nature of Disability**
- 31.8% Physical Disability
- 29.5% Chronic Health/Medical problem
- 20.5% Learning Disability
- 15.9% Visual Impairment
- 11.3% Hearing Disability
- 9.1% Emotional\Psychiatric Difficulties
- 25% Multiple Disability

**Severity of the Disability**
- 22.7% Mild
- 54.5% Moderate
- 15.9% Severe/Profound
- 6.8% Not Indicated

*Respondent Profile*

## Nature of Disabilities




**Transition**
When asked about their reasons for attending UBC, respondents cited the academic excellence of UBC, or a need to live near family, friends or doctors. Other reasons given were not necessarily specific to UBC but rather related to a change in career, upgrading for the job market, or an interest in coming to the Vancouver area. Approximately half of the students (23 students or 52.3%) indicated that they were aware of UBC's services for students with disabilities. Ten were students who suggested that prior knowledge about the amount of support and the extent of services available would have made the transition to UBC easier.

**Disclosure**
Students were asked whether they had identified their disability on the UBC application form. Overall, 34.1% of the students identified their disability on their application form. Level of functioning did not appear to be a factor affecting the disclosure rate. The rate of disclosure was 30.8% for students who said they required physical assistance and 37.5% for students who stated that they were self-sufficient. Those requiring emotional/psychiatric assistance numbered only 2 and neither identified the nature of their disability.

Differences in respondents' willingness to disclose disabilities were based on very small numbers of students (when categorized by disability) and should be treated accordingly. It did appear that respondents with more visible disabilities (such as physical disabilities) were more apt to disclose than those with hidden disabilities (such as learning disabilities or emotional/psychiatric difficulties). For example, none of the nine students with learning disabilities disclosed; all five of the students with a hearing impairment disclosed their disability on their application form.

Disclosure rate did appear to vary according to severity of disability. Among the students with severe disabilities, 71.4% (n=5) identified their disability when applying to UBC. This dropped to 27.3% (n=8) for those with moderate disabilities and 20% (n=2) for those with mild disabilities.

It is worth noting that 43 of the students (97.7%) indicated that they would have identified their disability if it would have facilitated services for them. Only one student said he/she still would not identify the disability.

**Difficulties at UBC**
Based on their experiences at UBC, students with disabilities encountered a number of difficulties. Among these was a lack of awareness by some instructors and less-than-accepting attitudes and difficulties with assignment and test accommodations.

To deal with the awareness difficulties, students suggested that instructors should:

- be informed of the Disability Resource Centre's resources
- attend sensitivity sessions
- receive explanations given by the DRC and Crane
- attend seminars about specific disabilities eg. low vision.

The second most frequent types of responses were made by 10 (22.7%) of the students who focused on difficulties encountered relating to services. Two students found that phone services were in noisy locations. This was a problem for those with a hearing impairment. Other problems cited included finding tutors, obtaining books at the library, getting extra help from librarians, availability of interpreters on the first day of classes, and getting a liaison person between students and instructors for notes and tests.

Suggestions to overcome the above difficulties were that more tutors, more phones in quiet places, and more assistance at libraries be made available.

**Physical Access Difficulties**
A quarter of the students (n=11) in the study listed physical access to be a difficulty encountered at UBC. Students pointed out that modifications were needed in older buildings to make classrooms, washrooms, and entrances more accessible. Getting lost on the large UBC campus was also raised as a concern. Two students indicated that more lighting would help all students. A few other students indicated a need for more direction signs and signs with large print for easy reading.

Students using public transportation found that the bus loop area was lacking clear signs with large print. Students with cars indicated that more parking availability near buildings was needed.

As far as classroom buildings were concerned, UBC students with disabilities pointed out general access difficulties such as difficulty in finding elevators, heavy doors, signs that were too small to read, classroom numbers that were too small to read, and the lack of handrails on outside stairs.

In recent years, the newer buildings on the UBC campus have incorporated many changes which minimize access difficulties for students with disabilities. Students with disabilities in this survey confirmed that the newer buildings were accessible. One student in the School of Social Work remarked that the new building made learning and studying there easier and contributed to the student's success. However, new buildings were the exception as access difficulties persisted in the older buildings.

When asked for suggestions to solve access difficulties, students suggested increasing access through modifications to buildings, making better parking available, providing more lighting, and getting more directional signs "with extremely large print." In addition, one student remarked that a car with a disability sticker should never be towed.

**Classroom Environment**
Attending lectures, laboratories and taking notes are all part of a student's life on campus. Student responses in the survey raised concerns about seating arrangements, particularly in large lecture halls. One student pointed out that if people have different needs, then different ways of thinking and different ways of viewing problems would generate more solutions and more creative solutions. For students with disabilities to attend lectures, to take notes, and to study may mean taping lectures, sitting closer to hear what is said, getting hand-outs which can be enlarged for easier readability, or having an assistant who takes notes.

THE UNIVERSITY OF BRITISH COLUMBIA

# REPORT ON THE SURVEY OF STUDENTS WITH DISABILITIES

**Prevalence of Attitudes At UBC**
One of the survey questions specifically explored the prevalence of positive and negative attitudes at UBC towards students with disabilities. To provide meaningful responses to the question of rating the prevalence of attitudes, students were asked to assign percentages to each scale. For all four groups rated, instructors, students, library staff and student services staff, the good and very good ratings exceeded 77 percent as shown in the following table.

**Prevalence of attitudes**

| Group | Attitude | Mean Percent |
|---|---|---|
| Instructors | Very Good/ Good | 85.2 |
| | Poor/ Very Poor | 12.4 |
| Students | Very Good/ Good | 80.2 |
| | Poor/ Very Poor | 16.9 |
| Library Staff | Very Good/ Good | 77.2 |
| | Poor/ Very Poor | 22.5 |
| Student Services Staff | Very Good/ Good | 82.2 |
| | Poor/ Very Poor | 17.1 |

**Extent of Exam Accommodation**
The two test/exam accommodations rated most frequently by students were:

1) Allowed extra time for completion
2) Arranged for test to be taken in an alternative location.

For extra time for completion, most of the students needing this assistance (26 students out of 31 or 83.9%) rated the assistance received as High. For arranging an alternative test/exam location, 24 of the 31 students (77.4%) needing this accommodation rated the assistance received as High.
Other test/exam accommodations ranged from allowing the use of calculator, spell-checker, or other aid (11 students) to not penalizing misspellings, incorrect punctuation and/or poor grammar (4 students). The tendency was for more students to rate the assistance received as High. The exception was penalizing for misspellings, incorrect punctuation and/or grammar where only 2 students needed assistance and one student rated assistance as High and another rated it as Low.

**Employment and Career Aspirations**
When asked what role UBC should play in their career aspirations and employment search, students mainly focused on the need for UBC to provide support in finding jobs and information about jobs. They were also interested in networking opportunities. Both career and summer jobs were mentioned. Three students were not interested in any UBC help or felt the service level was satisfactory.

Over half the students (56.8%) were successful in finding summer employment. Another 13.6% were unsuccessful and 22.7% did not try to find summer employment.

**Role for Faculties/Departments**
To make improvements at UBC, students commented on the role for faculty and departments. Among the key findings:

1) commitment to listening to students and the DRC for suggestions, to funding special equipment and seminars, to helping students by supplying a list of resources, and to taking action on accessibility;

2) fostering positive attitudes towards students with disabilities and their needs;

3) ensuring accessibility to offices and physical access to buildings;

4) supporting education, information sessions, and publicizing DRC services to promote staff awareness and to sensitize staff towards students with special needs;

5) supporting flexibility and openness to accommodations for assignments and exams.

**Role for the Disability Resource Centre and Crane Library**
To make improvements at UBC, students also commented on the role for the Disability Resource Centre (DRC) and Crane Library. Among the key findings:

1) continuing with the many support services that are now provided such as listening to instances of accessibility difficulties, providing advocates, and providing the Students-Helping-Students program;

2) troubleshooting to get things done, for example, helping with problems accessing the computerized library renewal system;

3) devising a communication strategy to publicize the DRC to all students expressing an interest in attending UBC;

4) developing a strategy to ensure match-up of students with assistants before school term;

5) forging liaisons with faculties and departments to provide education that contradicts myths about disabilities.

**Priorities for Action**
Students offered a wide range of suggestions on their top three priorities for action to enhance the full participation of students with disabilities as follows:

Greater Access
- To buildings, libraries, more accessible buses;
- To more recreation through volunteer or attendant services;
- To parking availability nearer buildings;
- To accessible pay phones - at wheelchair height; not in noisy spots;
- By providing more ramps and dips in sidewalks needed;

Support Services
- Publicizing existence of the DRC;
- Clarifying who is eligible for services;
- Advertising list of services available;
- Getting faster turnaround time for taping materials;
- Training of note-takers to develop their skills;

Exam & Assignment Accommodation
- Easing the process of arranging exam accommodation with less paperwork and running around;

Understanding & Support
- Educating instructors/staff in order to promote positive attitudes towards students with disabilities; that is, increase their knowledge and sensitivity;
- Using pamphlets and brochures to heighten student/staff awareness about disabilities;
- Implementing a "buddy" system in classes: student & student with disabilities;
- Providing advocacy for students discouraged from participating in academic or recreational programs;

Computer & Technical Support
- Need for more computer availability;
- Access to laptop computers to facilitate note-taking;
- Kurtzweil or other good reading machines in Main Library and Sedgewick Library;
- More funding for voice-responsive computer systems;

Support Groups
- Start up support groups for students with similar problems;
- Have staff member as a facilitator for support groups;

Confidentiality
- Agree with sharing information about medical conditions with DRC staff who are trained; should not have to explain details again to other departments which should accept medical certificates;

Financial Assistance
- Would like to see more scholarships and bursaries for students with disabilities who often have excessive medical costs;
- Up-to-date information on bursaries/scholarships.

The results of the study were informative and revealed apparent needs in a number of areas. At the same time, the results were based on the experiences and perceptions of 44 students with disabilities registered with the Disability Resource Centre or Crane Library. From the perspective of the responding students, the observations identified were real and the difficulties encountered were at times restrictive to pursuing their studies at UBC. Clearly, any steps which could be taken to improve physical access, communication and other problems would be worthwhile.

*Student Priorities*

## Priorities For Action

- Students' identified priorities to enhance the full participation of students with disabilities:
  - » Greater Access
  - » Understanding and Support
  - » Support services
  - » Computer & Technical Support
  - » Support Groups
  - » Exam and Assignment Accommodation
  - » Financial Assistance
  - » Confidentiality

THE UNIVERSITY OF BRITISH COLUMBIA

# UBC GAZETTE

*The Board of Governors took the following action at its meeting held on January 26, 1995.*

**FINANCE**

The Board requested the Administration to proceed to consultation and further development of a strategy on the basis of the December 30, 1994, draft of a paper entitled "Towards a Tuition Policy."

A change in the Student Activity and Tuition fee was approved whereby
(a) all 1995-96 tuition fees will be reduced by 1.4% before any annual adjustment yet to be determined and offset by an increase in the 1995-96 student activity fee of $27.95 or $1.55 on a per credit basis.

(b) the student activity fee will be increased in 1995-96 by the same inflationary increase applicable to credit tuition fees excluding the increases for Teaching and Learning Enhancement and financial aid.

Approval was given to extend the Student Recreation Centre fee for two years to 1997-98. It was agreed that all students would be advised of the voluntary nature of the fee.

**PROPERTY**

An award of contract for the Scarfe Phase II Renovation was made to Smith Bros. & Wilson.

**SENATE**

The following recommendations from Senate were approved.

That the Department of Russian and Slavic Languages and Literatures be dissolved as of June 30, 1995.

That the separate Departments of Classics and Religious Studies be dissolved as of June 30, 1995, and that a combined Department of Classical, Near Eastern and Religious Studies (CNRS) be established as of July 1, 1995, to include all members of the previous two departments of Classics and Religious Studies, as well as all courses and programs of both departments.

That the Entrepreneurship and Venture Capital Research Centre be named "The W. Maurice Young Entrepreneurship and Venture Capital Research Centre."

That the Chair in Audiology and Speech Sciences be disestablished.

That the curriculum proposals put forward by the various faculties and approved by Senate be and approved.

**POLICIES**

The Board approved the following policies and noted the Presidentís procedures for implementation and administration:
Discrimination and Harassment
Scholarly Integrity

That the week of October 8-14, 1995, be and is hereby designated as UBC Health Sciences Week.

**OTHER BUSINESS**

The week of October 8-14, 1995, was designated as UBC Health Sciences Week.

That the Board of Governors approved an amendment to the reciprocal agreement between the UBC Faculty Pension Plan and the Federal Public Service Superannuation Plan to allow for a break in employment of up to six months.

An agreement between Canadian Copyright Licensing Agency (CANCOPY) and the University was approved. This agreement provides a mechanism whereby CANCOPY may grant to the University a reprography licence to permit and authorize the Institution to reproduce copyright works without substituting for the purchase of books and other published materials.

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*The Board of Governors at its meeting of January 26, 1995 approved the following recommendations and received notice about the following items.*

**Joanne Wright**, Associate Dean, Faculty of Medicine, Jan 1, 1995 to June 30, 1998.
**Maria Klawe**, Vice-President, Student & Academic Services, President's Office, Feb 1, 1995 to Jan 31, 2000.
**Bernard Sheehan**, Acting Vice-President, Student & Academic Services, President's Office, Jan 1, 1995 to Jan 31, 1995.
**Arthur A. Bomke**, Acting Head, Department of Soil Science, Jan 1, 1995 to June 30, 1995.
**Donald Allison**, Acting Head, Department of Educational Psychology & Special Education, Oct 7, 1994 to Dec 5, 1994 and Feb 1, 1995 to June 30, 1995.
**John H.V. Gilbert**, Acting Director, School of Audiology & Speech Science, Jan 1, 1995 to May 31, 1995.
**Richard G. Mathias**, Acting Head, Department of Health Care & Epidemiology, Jan 1, 1995 to June 30, 1995.
**Michael Smith**, Director, Biotechnology Laboratory, Jan 1, 1995 to June 30, 1996.
**Iain E.P. Taylor**, Head, Department of Botany, Nov 1, 1994 to June 30, 1999.
**Caroline C. Ford**, Associate Professor, Department of History, July 1, 1995 to June 30, 1998.
**Geoffrey Hall**, Assistant Professor, Department of Psychology, July 1, 1995 to June 30, 1998.
**Andrew W. Trites**, Assistant Professor, Fisheries Centre, Jan 1, 1995 to June 30, 1998.
**Andrew MacNab**, Associate Professor, Department of Paediatrics, Apr 1, 1994 to June 30, 1997.
**Kishor M. Wasan**, Assistant Professor, Faculty of Pharmaceutical Sciences, Feb 1, 1995 to June 30, 1998.
**Lionel Pandolfo**, Assistant Professor, Department of Oceanography, July 1, 1995 to June 30, 1998.

**RESIGNATIONS**
**C.O. Brawner**, Professor, Department of Mining & Mineral Process Engineering, Dec 30, 1994.
**William Schworm**, Professor, Department of Economics, Dec 31, 1994.
**Peter Childers**, Instructor II, Department of English, Dec 31, 1994.
**Lauren Wagner**, Assistant Professor, School of Music, June 30, 1995.
**P. Ross McClelland**, Assistant Professor, School of Social Work, Dec 30, 1994.
**Jamey Marth**, Associate Professor, Department of Medical Genetics, Dec 31, 1994.
**J.S. Prendiville**, Assistant Professor , Department of Paediatrics, Dec 31, 1994, (changed to Clinical Assistant Professor Jan 1, 1995).
**William M. Thurlbeck**, Professor, Department of Pathology, Dec 30, 1994.
**George Szasz**, Professor, Department of Psychiatry, Dec 30, 1994.
**K.D. Srivastava**, V.P. Student & Academic Services, President's Office, Dec 31, 1994 (continues as Professor in Electrical Engineering).
**Afton Cayford**, Associate Professor, Department of Mathematics, Dec 30, 1994.
**Jeff Joyce**, Assistant Professor, Department of Computer Science, Apr 30, 1995.

**LEAVES OF ABSENCE**

**STUDY LEAVES**
**AGRICULTURAL SCIENCES**
**F. Brian Holl**, Department of Plant Science, July 1, 1995 to June 30, 1996.

**APPLIED SCIENCE**
**Andrew Gruft**, School of Architecture, Jan 1, 1995 to June 30, 1995.
**Dino Rapanos**, School of Architecture, July 1, 1995 to Dec 31, 1995.
**Andre Ivanov**, Department of Electrical Engineering, Sept 1, 1995 to Aug 31, 1996.
**Victor C.M. Leung**, Department of Electrical Engineering, Jan 1, 1995 to Dec 31, 1995.
**Panayotis T. Mathiopoulos**, Department of Electrical Engineering, Jan 1, 1996 to June 30, 1996.
**L.M. Wedepohl**, Department of Electrical Engineering, July 1, 1995 to June 30, 1996.
**Sheldon Green**, Department of Mechanical Engineering, July 1, 1995 to June 30, 1996.
**Janusz S. Laskowski**, Department of Mining & Mineral Process Engineering, July 1, 1995 to June 30, 1996.

**APPLIED SCIENCE/FORESTRY**
**R. Jonathan Fannin**, Departments of Civil Engineering and Forest Resources Management, Sept 1, 1995 to Aug 31, 1996.

**ARTS**
**Julie Cruikshank**, Department of Anthropology & Sociology, Sept 1, 1995 to Aug 31, 1996.
**Dawn Currie**, Department of Anthropology & Sociology, July 1, 1995 to June 30, 1996.
**Brian Elliott**, Department of Anthropology & Sociology, Jan 1, 1996 to June 30, 1996.
**Christine M.S. Hellwig**, Department of Asian Studies, July 1, 1995 June 30, 1996.
**Walter E. Diewert**, Department of Economics, Jan 1, 1996 to June 30, 1996.
**John F. Helliwell**, Department of Economics, July 1, 1995 to June 30, 1996.
**Michele Piccione**, Department of Economics, July 1, 1995 to June 30, 1996.
**Angela Redish**, Department of Economics, July 1, 1995 to June 30, 1996.
**W. Craig Riddell**, Department of Economics, July 1, 1995 to June 30, 1996.
**Richard W. Bevis**, Department of English, July 1, 1995 to June 30, 1996.
**Thomas E. Blom**, Department of English, Sept 1, 1995 to Aug 31, 1996.
**Richard A. Cavell**, Department of English, July 1, 1995 to June 30, 1996.
**Dennis R. Danielson**, Department of English, July 1, 1995 to June 30, 1996.
**Glenn Deer**, Department of English, Sept 1, 1995 to Aug 31, 1996.
**Eva-Maria Kroller**, Department of English, Sept 1, 1995 to Aug 31, 1996.
**Eric P. Levy**, Department of English, Sept 1, 1995 to Aug 31, 1996.
**Lilita Rodman**, Department of English, July 1, 1995 to June 30, 1996.
**Stanley Warren Stevenson**, Department of English, Sept 1, 1995 to Aug 31, 1996.
**Mark Vessey**, Department of English, Sept 1, 1995 to Aug 31, 1996.
**Jonathan Wisenthal**, Department of English, July 1, 1995 to June 30, 1996.
**Michael Zeitlin**, Department of English, July 1, 1995 to June 30, 1996.
**Andre Lamontagne**, Department of French, July 1, 1995 to June 30, 1996.
**Christine L. Rouget**, Department of French, July 1, 1995 to June 30, 1996.
**William Winder**, Department of French, July 1, 1995 to June 30, 1996.
**Roderick J. Barman**, Department of History, July 1, 1995 to June 30, 1996.
**Edward Hundert**, Department of History, July 1, 1995 to June 30, 1996.
**Dianne Newell**, Department of History, July 1, 1995 to June 30, 1996.
**Arthur J. Ray**, Department of History, July 1, 1995 to June 30, 1996.
**Luciana Duranti**, School of Library, Archival, and Information Studies, July 1, 1995 to Dec 31, 1995.
**R. K. Carty**, Department of Political Science, Jan 1, 1996 to Dec 31, 1996.
**Diane K. Mauzy**, Department of Political Science, Sept 1, 1995 to Aug 31, 1996.
**Susan Butt**, Department of Psychology, July 1, 1995 to June 30, 1996.
**Jennifer D. Campbell**, Department of Psychology, Jan 1, 1996 to Dec 31, 1996.
**Michael J. Chandler**, Department of Psychology, July 1, 1995 to June 30, 1996.
**Wolfgang Linden**, Department of Psychology, July 1, 1995 to June 30, 1996.
**Catharine H. Rankin**, Department of Psychology, Jan 1, 1996 to Dec 31, 1996.
**John C. Yuille**, Department of Psychology, July 1, 1995 to June 30, 1996.

**COMMERCE & BUSINESS ADMINISTRATION**
**Anthony Boardman**, July 1, 1995 to June 30, 1996.
**Thomas R. Knight**, July 1, 1995 to June 30, 1996.
**Dan A. Simunic**, July 1, 1995 to June 30, 1996.
**Raman Uppal**, Sept 1, 1995 to Aug 31, 1996.

**EDUCATION**
**Anne M. Anthony**, Department of Curriculum Studies, Jan 1, 1996 to June 30, 1996.
**Jim Gaskell**, Department of Curriculum Studies, July 1, 1995 to June 30, 1996.
**Shirley Wong**, Department of Curriculum Studies, Sept 1, 1995 to Aug 31, 1996.
**Janice Woodrow**, Department of Curriculum Studies, Jan 1, 1996 to June 30, 1996.
**Billie E. J. Housego**, Department of Educational Psychology & Special Education, Sept 1, 1995 to Aug 31, 1996.
**Daniel Pratt**, Department of Educational Studies, Sept 1, 1995 to Aug 31, 1996.
**Hans G. Schuetze**, Department of Educational Studies, Sept 1, 1995 to Aug 31, 1996.
**C. Inge Andreen**, School of Human Kinetics, Jan 1, 1996 to June 30, 1996.
**John Kelso**, School of Human Kinetics, July 1, 1994 to Dec 31, 1994.
**Robert D. Chester**, Department of Language Education, July 1, 1995 to June 30, 1996.
**Bernard Mohan**, Department of Language Education, July 1, 1995 to June 30, 1996.

**FORESTRY**
**M.C. Feller**, Department of Forest Sciences, July 1, 1995 to Dec 31, 1995.

**MEDICINE**
**Ann M. Rose**, Department of Medical Genetics, July 1, 1994 to Dec 31, 1994.
**Keith R. Walley**, Department of Medicine, July 1, 1995 to Jun 30, 1996.
**Peter Reiner**, Department of Psychiatry, Jan 1, 1995 to Aug 31, 1995.

**SCIENCE**
**Friedhelm Aubke**, Department of Chemistry, Sept 1, 1995 to Aug 31, 1996.
**James Trotter**, Department of Chemistry, July 1, 1995 to June 30, 1996.
**Paul Hickson**, Department of Geophysics & Astronomy, Sept 1, 1995 to Aug 31, 1996.
**Richard R. Johnson**, Department of Physics, July 1, 1995 to June 30, 1996.
**David L. Williams**, Department of Physics, July 1, 1995 to June 30, 1996.
**Nancy Heckman**, Department of Statistics, July 1, 1995 to June 30, 1996.
**James V. Zidek**, Department of Statistics, July 1, 1995 to Jun 30, 1996.
**A.R.E. Sinclair**, Department of Zoology, Sept 1, 1995 to Aug 31 1996.

**CANCELLATIONS OF STUDY LEAVES**

**APPLIED SCIENCE**
**Virginia E. Hayes**, School of Nursing, Sept 1, 1994 to Aug 31, 1995.

**CHANGES TO STUDY LEAVES**

**COMMERCE & BUSINESS ADMINISTRATION**
**Gordon A. Walter**, from Sept 1, 1994-Aug 31, 1995 to Jan 1, 1995-Dec 31, 1995.

**EDUCATION**
**Robert Tolsma**, Department of Counselling Psychology, from July 1, 1994-June 30, 1995 to July 1, 1994-Nov 30, 1994.

**OTHER LEAVES**

**APPLIED SCIENCE**
**Roberta Hewat**, School of Nursing, Jan 1, 1995 to Apr 30, 1995.

**ARTS**
**Valerie Raoul**, Department of French, Jan 1, 1995 to Jun 30, 1995.
**Lauren Wagner**, School of Music, July 1, 1994 to June 30, 1995.

**COMMERCE & BUSINESS ADMINISTRATOIN**
**Piet De Jong**, Sept 1, 1994 to Nov 30, 1994.
**Michael Gerlach**, July 1, 1994 to June 30, 1995.

**LAW**
**Christine Boyle**, Jan 1, 1995 to June 30, 1995.

**MEDICINE**
**Michael Hope**, Department of Medicine, July 1, 1994 to June 30, 1995.

# UBC GAZETTE (continued)

**Judith Vestrup**, Department of Surgery, Sept 1, 1994 to Aug 31, 1995.

**MEDICINE/SCIENCE**
**Evan Evans**, Departments of Pathology and Physics, Oct 1, 1994 to Dec 31, 1994.

**SCIENCE**
**Ellen Rosenberg**, Departments of Botany and Zoology, Aug 15, 1994 to May 15, 1995.
**Jeffrey Joyce**, Department of Computer Science, Jan 1, 1995 to Apr 30, 1995.
**Kai Behrend**, Department of Mathematics, July 1, 1994 to Jun 30, 1995.

**CANCELLATIONS OF UNPAID LEAVES**
**COMMERCE & BUSINESS ADMINISTRATION**
**Espen Eckbo**, Jan 1, 1995 to Jun 30, 1995.

**CHANGES TO UNPAID LEAVES**

**COMMERCE & BUSINESS ADMINISTRATION**
**Mihkel Tombak**, from Sept 1, 1994-Aug 31, 1994 to Aug 1, 1994-July 31, 1994.

**ADMINISTRATIVE LEAVES**

**AGRICULTURAL SCIENCES**
**Richard R. Barichello**, Department of Agricultural Economics, Sept 1, 1994 to August 31, 1995.
**Brian Ellis**, Department of Plant Science, Jan 1, 1995 to June 30, 1995.

**ARTS**
**Edward Mornin**, Department of Germanic Studies, July 1, 1995 to June 30, 1996.
**Donald Blake**, Department of Political Science, July 1, 1995 to June 30, 1996.
**Richard Tees**, Department of Psychology, July 1, 1994 to Dec 31, 1995.

**EDUCATION**
**Patricia Arlin**, Department of Educational Psychology & Special Education, Oct 10, 1994 to Dec 5, 1994 & Feb 15, 1995 to June 16, 1995.
**J. Graham T. Kelsey**, Department of Educational Studies, July 1, 1995 to Dec 31, 1995.
**Robert Schutz**, School of Human Kinetics, July 1, 1995 to June 30, 1996.

**GRADUATE STUDIES**
**Michael McDonald**, Centre for Applied Ethics, Jan 1, 1996 to June 30, 1996.
**Michael Healey**, Westwater Research Institute, July 1, 1995 to June 30, 1996.

**MEDICINE**
**Sam Sheps**, Department of Health Care & Epidemiology, Jan 1, 1995 to June 30, 1995.

**CANCELLATION OF ADMINISTRATIVE LEAVES**

**EDUCATION**
**David Robitaille**, Department of Curriculum Studies, July 1, 1994 toDec 31, 1994.

THE UNIVERSITY OF BRITISH COLUMBIA

## Administration of Policies - Policy #1

Approved: May 1993
Revised: March 1995

**RESPONSIBLE VICE PRESIDENT**
Vice President Academic & Provost
Vice President Administration & Finance
Vice President Student & Academic Services
Vice President Research
Vice President External Affairs

**Purpose**
To communicate the applicability and enforcement of policies contained in the UBC Policy Handbook, and to confirm authority for exceptions.

**Policy**
The UBC Policy Handbook communicates policies and procedures which have university-wide application, and provides a basis for consistent and appropriate decision making on many issues.

Unless otherwise indicated within a specific policy or its procedures, policies and procedures apply to all members of faculty and staff and, where indicated, students at the University. Policies and procedures in the Policy Handbook are for the internal guidance of members of faculty and staff at UBC, and have no impact on the relationship with third parties unless expressly part of a contract with them.

It is the responsibility of all members of faculty and staff to familiarize themselves with the contents of the Policy Handbook and to conduct themselves accordingly. It is the responsibility of all administrative heads of unit to communicate with those under their direction about the application of policies and procedures in their units, to ensure compliance, and to take appropriate action if problems arise.

**Procedure Summary**
Members of faculty and staff are responsible for familiarizing themselves with the contents of the UBC Policy Handbook and for conducting themselves accordingly. Where policies or procedures in the UBC Policy Handbook are inconsistent with provisions in any existing agreement between the University and its faculty and/or staff, that agreement will prevail.

Administrative heads of units are responsible for the dissemination of the UBC Policy Handbook to all members of faculty and staff in their units. They are responsible for ensuring that the policies and procedures are appropriately communicated and applied in their units.

For advice on the interpretation or application of policies or procedures, including requests received for exceptions, administrative heads of unit should first consult with the person to whom they report, and if necessary, with the Vice President listed as responsible for the policy. In addition, the administrative head of unit may find it helpful to consult with the Department of Human Resources (in the case of an infraction by a member of the non-academic staff) or the President's Office, Faculty Relations (in the case of an infraction by a member of the academic staff). Authority to approve individual requests for exceptions rests with the Vice President responsible for the policy.

*Procedures are understood to include the access requirements of persons with disabilities for information and communication in complaint, investigative, reporting and similar processes.*

Procedures may be amended by the President, provided the new procedures conform to the approved policy. Such amendments are reported at the next meeting of the Board of Governors and are incorporated in the next publication of the UBC Policy Handbook.

**Definitions**
An administrative head of unit is a Director of a service unit, a Head of an academic department, a Director of a centre, institute or school, a Principal of a college, a Dean, an Associate Vice President, the Registrar, the University Librarian, a Vice President or the President.

February 23, 1995

Dear Colleagues,

RE: REVISION TO PROCEDURES, POLICY #1

At the request of Ruth Warick, Director of the Disability Resource Centre, I am proposing to take a change in the procedures of Policy #1, Administration of Policies, in March.

The change, italicized below, would provide for accommodation of persons with disabilities in respect of the administration of UBC's policies and procedures.

Please send any comments you may have to Vice Provost Libby Nason by March 2, 1995.

Sincerely yours,

David W. Strangway

## Late Payment of Fees and Accounts - Policy #67

February 23, 1995

Dear Colleagues,

The Department of Housing and Conferences and the Registrar's Office have requested that Policy #67 be amended. The proposed changes are italicized.

If you have any comments about the change, please contact Vice Provost Libby Nason.

Sincerely yours,

David W. Strangway

Approved: July 1977
Revised: March 1995

Financial Services shall forward all information to the Registrar regarding unpaid accounts of students.

Non-payment of academic fees: The Registrar shall inform a student who has failed to pay academic fees that subsequent registration will be denied, no transcripts of academic records issued, and that he/she will not be allowed to graduate until all academic fees have been fully paid.

Outstanding library, parking or other fines: The Registrar shall inform a student who has failed to pay a library, parking or other fine, that subsequent registration will be denied until these fines are fully paid.

*Residence Fees: The Department of Housing and Conferences is empowered to request a resident of a University Residence (single or family accommodation) to vacate the premises for non-payment of residence fees.*

*The Department may impose late fees of $25.00 on any unpaid residence fee account.*

*The Department may refuse admission to residences and withdraw residence privileges, including dining privileges, for non-payment of fees.*

Delinquent repayment of student loans: The Registrar shall inform a student who is delinquent in the repayment of a student loan that subsequent registration will be denied and no transcripts of academic records issued until all arrears in loans are satisfied.

Individual departments in the University are not authorized to withhold grades from the Registrar's Office for any reason.

# Calendar

## February 26 through March 11

**Mathematics Colloquium**
The Spectra Of Symmetric Polyatomic Molecules. Dr. Alexander Rutherford. Math 203 at 3:30pm. Refreshments in Math Annex 1115 at 3:15pm. Call 822-2666.

**Green College Science/ Society Seminar**
What Is The Sociology Of Scientific Knowledge And Is It Of Any Use? Dr. Stephen Shapin. Sociology/Science Studies Program, U. of Calif., San Diego. Green College recreation lounge at 4pm. Call 822-8660.

**Theoretical Chemistry Seminars**
Importance Of Kinetic Theory To Space Physics. Dr. W. Whipple, Physics, U. of Washington. Chemistry 402, central wing at 4pm. Call 822-3997.

**Shabbat Dinner**
The Changing Jewish Family. Lucy Steinitz, exec. director of Jewish Family Services, Baltimore. Hillel House at 6:30pm. Call 224-4748.

### *Saturday, Mar. 4*

**Faculty Women's Club**
Spring Pot Luck Party: An evening of fun, friends and food. Cecil Green Park main floor at 7pm. Husbands and guests welcome. Call 535-7995.

**Vancouver Institute Lecture**
Killer Societies: The Natural History And Culture Of Killer Whales. Dr. John Ford, Vancouver Aquarium. IRC #2 at 8:15pm. Call 822-3131.

### *Sunday, Mar. 5*

**Ethics Seminar**
Discover The Real You—Building Jewish Ethical Leadership For The 21st Century. Lucy Steinitz, exec. director of Jewish Family Services in Baltimore. Hillel House from 10am-3:30pm. Call Michelle at 224-4748.

**Music Concert**
Beethoven, The Piano And Violin Sonatas. Jane Coop piano; violinist, Andrew Dawes. Music recital hall at 3pm. Call 822-5574.

### *Monday, Mar. 6*

**Pacific Spirit Noon Hour Series**
Poetry Reading/Discussion: Accessing Our Creative Impulse. Dr. Lydia Kwa, writer/therapist, author of The Colours of Heroines. Social Work 028, lower level at 12pm. Co-sponsored by Women's Studies/Gender Relations. Call 822-4824.

**B.C. Cancer Research Centre Seminar**
Current Status/Perspectives Of Image Analysis: Analysis Of Fish Stained Cells/Chromosomes. Dr. Hans J. Tanke, chair, Cytochemistry/Cytometry, U. of Leiden, Netherlands. B.C. Cancer Research Centre lecture theatre at 12pm. Call 877-6010.

**Graduate Student Professional Development Session**
Alternatives To Lecturing. David Lam lower level seminar room, from 3:30-6pm. Use entrance behind Trekkers. Call 822-9149.

**Biochemistry/Molecular Theory**
Chemical Strategies Applied To The Discovery Of Ligands For Carbohydrate-binding Proteins. Dr. Ole Hindsgaul, U. of Alberta. IRC #4 at 3:45pm. Refreshments at 3:30pm. Call 822-9871.

**Continuing Studies Workshop**
1 of 3: Colour Printing Made Easy! SA2556. Robert Bos, Pacific Light Impressions, #106-1120 Hamilton St. from 7-10pm. $170.Call 822-1450.

### *Tuesday, Mar. 7*

**Pharmaceutical Sciences Seminar**
Testing The Acid Pair Hypothesis Using Calmodulin Mutants. Xiaochun Wu, grad student, Pharmaceutical Sciences. IRC #3 at 12:30pm. Call 822-4645.

**Animal Science Seminar Series**
Regulation Of Heat Shock Protein Expression In Skeletal Muscle Cell By Glutamine. Xiwu Zhou, PhD student. MacMillan 256 at 12:30pm. Refreshments. Call 822-4593.

**Environmental Programs Seminar**
Financial Benefits Of Environmental Pro-Activity. Malcolm Metcalfe, Canadian Airlines. IRC #5 from 12:30-1:30pm. Call 822-2029.

**Author Reading**
Joy Kogawa reading from Obasan, Itsuka and other works. Buchanan A-100 at 12:30pm. Call 822-0699.

**Botany Seminar**
Vegetable Sheep. Alan Reid, PhD student, Botany/Centre for Biodiversity Research. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

**Lectures in Modern Chemistry**
Electronic Factors In Ligand Elaboration Reactions. Prof. Joseph L. Templeton, Chemistry, U. of Northern Carolina, Chapel Hill, NC. Chemistry 250, south wing at 1pm. Refreshments at 12:45pm. Call 822-3266.

**Statistics Seminar**
Canonical Variate Analysis Of Data From Incomplete Block Designs. Christopher Triggs, U. of Auckland, NZ. Angus 426 from 4-5:30pm. Call 822- 0570.

**MOST Workshop**
Also Mar. 9. Writing Reports/Proposals. Michael Schoen, instructor, Applied Science. Brock Hall 0017 from 1:30-4:30pm. Call 822-9644.

**Applied Ethics Colloquium**
Developing A Conservative Ethic. Dr. Gene Namkoong, head, Forest Sciences. Angus 415 from 4-6pm. Call 822-5139.

**Comparative Physiology Seminar**
Hoar Lecture: The Control Of Mitochondrial Oxidative Phosphorylationin vivo. Dr. R. Balaban, NIH Bethesda, MD. Family/Nutritional Sciences 60 at 4:30pm. Call 822-2131.

**Green College Seminar**
Social And Distributive Justice In The New Social Movements. Dr. Robert S. Ratner, Anthropology/Sociology.Green College recreation lounge at 5:30pm. Call 822-8660.

**Continuing Studies Lecture**
1 of 4. Warrior Queens Of The Modern World, LB2076. Joy Dixon, History. Lasserre 105 from 7:30-9pm. $45; seniors $25.Call 822-1450.

**12th International Seating Symposium**
UBC Continuing Studies in the Health Sciences; Sunny Hill Health Care Centre for Children; University of Pittsburgh And Resna. Hyatt Regency Hotel from 8am-5pm. Call 822-4965.

### *Wednesday, Mar. 8*

**Noon Hour Concert**
Robert Silverman, piano. Music recital hall at 12:30pm.Admission $2.50 at the door. Call 822-5574.

**Opera Panel Discussion**
The Pirates Of Penzance In And Out Of Context. Susan Bennett, John Mitchell, Vanc. Opera; Brian Gooch, UVic; Andrew Busza, English. Buchanan Penthouse at 12:30pm.Call 822-4060.

**Microbiology/Immunology Seminar**
Receptor Tyrosine Kinase Signaling In The Drosophila Eye. Dr. Mile Simon, Biological Sciences, Stanford U., CA. Wesbrook 201 from 12-1:30pm. Call 822- 3308.

**Graduate Student Professional Development Sessions**
Developing A Teaching Philosophy. David Lam lower level seminar room from 12-2:30pm. Co-operative Learning. David Lam lower level seminar room from 3:30-6pm. Use outside entrance behind Trekkers. Call 822- 9149.

**French Colloquium**
La Representation de l'hysterie dans La Religieuse de Diderot. Anne Scott, sessional lecturer, French. Buchanan 799 from 2:30-3:30pm. Call 822-2879.

**Southeast Asian Research Seminar**
Approaches To Environmental Protection In Cambodia, Laos And Vietnam. Dr. Ian Townsend-Gault, Program in Southeast Asian Legal Studies. Asian Centre 604 from 3:30-5pm. Call 822-2629.

**Pharmaceutical Sciences Seminar**
Malignant Pleural Effusion: To Talc Or Not To Talc. John Forster-Coull, PhD student, Clinical Pharmacy. Vancouver Hosp/HSC Pavilion G279 from 4-5pm. Call 822-4645.

**Respiratory Seminar Series**
Respiratory Syncytial Virus Infection And Asthma: Are They Related? Dr. R. Hegele, Pathology/Lab Medicine. Vancouver Hosp/HSC Laurel Pavilion, 1st floor from 5-6pm. Call 822-7128.

**Comparative Literature Colloquium**
Censorship/Self-Censorship: Power, Communication, Silence. Klaus Petersen, Germanic Studies; Kevin McNeilly, English. Green College recreation lounge at 5:30pm. Call 822-8660.

**Continuing Education in Applied Science**
Structural Reviewers Course. A course on the background and rationale to the proposed City of Vancouver program for mandatory independent reviews; a review of current codes and standards. For information call 822-3347.

**Medical Topics Lecture Series**
Current Concepts In Plastic Surgery. Dr. Nancy Van Laeken, Plastic, Reconstructive/Cosmetic Surgery. Carr Hall conference room from 7:30-9:30pm. $20/lecture. Call 822-1450.

**Theatre Performance**
Now through Mar. 18. Sunspots by Dennis Foon. Frederic Wood Theatre at 8pm. Adults weekday $12, weekend $14; students/seniors weekday $8, weekend $10; preview Mar. 8, two for one adult $12. Call 822-2678.

### *Thursday, Mar. 9*

**Law Lecture**
Right To The Homeland: Ethnic Cleansing And The International Criminal Tribunal. Dr. Alfred de Zayas, UN Centre for Human Rights, Geneva. Curtis Building 101 at 5:30pm. Call 822-9322.

**Native Health Awareness Days Lecture**
(First Nations Research In Well Being). The Facilitation Of Healing For The First Nations People of BC. A dissertation by Rod McCormick, PhD. IRC #1 from 12:30-1:30pm. Call 822-2114.

**Graduate Student Professional Development Session**
Your Teaching Dossier: A Tool With Two Uses. David Lam lower level seminar room from 12-2:30pm. Use outside entrance behind Trekkers. Call 822-9149.

**Asian Research Film**
The Many Faces Of Taiwan/Reflection Of Modern Chinese Culture In Taiwan. Asian Centre 604 from 12:30-2pm. Call 822-2629.

**Physiology Seminar**
Apoptosis Of Beta Cells In The Normal Growing Rat Pancreas: Prediction With A Simple Mathematical Model. Dr. Diane Finegood, Endocrinology/Metabolism, U. of Alberta. Copp 2002/2004 from 1-2pm. Call 822-2494.

**Green College 19th Century Studies Seminar**
Seminar On Interdisciplinary Methodologies. Green College Graham House small dining room at 4pm. Call 822-6067.

**Physics Colloquium**
Physics Of Ignition Targets For The National Ignition Facility. Joseph D. Kilkenny; Lawrence Livermore, National Laboratory. Hennings 201 at 4pm. Call 822-3853.

**CICSR Distinguished Lecture Series**
Being There In Virtual Space. Dr. Thomas Furness, U. of Washington. CICSR/CS 208 at 4pm. Call 822-6894.

**Genetics Graduate Program Seminar**
Engineering And Subsequent Intra-Cellular Expression Of A Single Chain— Neutralizing NT-RAS Antibody And Its Consequences In A Blymphoma Line. Sam Abraham, PhD student, Genetics. Refreshments at 4:15pm. Wesbrook 201 at 4:30pm. Call 822-8764.

**Recycling Today/Tomorrow**
2 of 2: The Root Causes Of Waste. Helen Spiegelman. Family/Nutritional Sciences 60 from 7:30-9:30pm. $40. Call 822-1450.

**Brenda/David McLean Lecture in Canadian Studies**
Aboriginal Policy: Where We Have Come From. Alan C. Cairns, McLean professor of Canadian Studies. Green College coach house at 8pm. Call 822-5193.

### *Friday, Mar. 10*

**Medical Genetics Grand Rounds**
Structural Anomalies Resulting From Vascular Disruption. Dr. Margot Van Allen, Medical Genetics. GF Strong auditorium at 9am. Call 875-2307.

**Health Care/Epidemiology Rounds**
Identifying Inpatients Who Might Be Amenable To Treatment As Outpatients. Dr. Sam Sheps, head, Health Care/Epidemiology; Karen Cardiff, research associate, Centre for Health Services/Policy Research. Mather 253 from 9-10am. Paid Parking B Lot. Call 822-2772.

**Native Health Awareness Days Lecture**
Talking Back: Six First Nations Women's Stories Of Recovery From Childhood Sexual Abuse And Addictions. A thesis by Elaine Herbert, MSW. Great Hall of the Longhouse from 12:30-1:30pm. Call 822-5613 or 822-2115.

**Occupational Hygiene Programme Seminar**
Reducing Lead Exposure In The Population—Where Are We Now, Where Do We Go? Dr. Ray Copes, Environmental Health specialist, BC Ministry of Health.CEME 1202 at 12:30-1:30pm. Call 822-9595.

**Pharmaceutical Sciences Seminar**
Activity Of Rostral Trigeminal Sensory Neurons In The Cat During Wakefulness And Sleep. Brian Cairns, grad student, Pharmacology/Toxicology. IRC #1 from 12:30-1:30pm.Call 822-4645.

**Korean Research Seminar**
Koreans In Russia. Dr. Kwang Kyu Lee, Anthropology, Seoul National U. Asian Centre 604 from 12:30-2pm. Call 822-2629.

**UBC International Forum Seminar**
Guardian Angel Or Global Gangster: The Ethical Claims Of International Society Revisited. Dr. Nicholas Wheeler, Political Science, U. of Wales, Aberystwyth. Green College Graham House small dining room at 3pm. Call 822-6067.

**Mathematics Colloquium**
Untying Knots And Surgery. Dr. David Auckly, Mathematics, U. of Calif. Math 203 at 3:30pm. Refreshments at 3:15pm in Math annex 1115. Call 822-2666.

**Theoretical Chemistry Seminars**
An Integral Equation Approach To Surface Excess Thermodynamics. Dr. N. Cann, Chemistry 402, central wing at 4pm. Call 822-3997.

### *Saturday, Mar. 11*

**Vancouver Institute Lecture**
The Future Of Canada And Quebec: Paths Of Convergence Or Divergence? Angus Reid, pollster/political analyst. IRC #2 at 8:15pm. Call 822-3131.

## Forum

# Past Kaslo

*by John MacNaughton*

*John MacNaughton, who is completing post-graduate work in the Dept. of Creative Writing, won the short story competition at this year's ArtsFest with his entry "Past Kaslo." All entries had to end with the phrase "and then the fat lady began to sing." Second-year student Madelaine Thien won the poetry competition while Guy Pilch took the public speaking prize for the second year in a row.*

The flight was bumpy but uneventful as the little plane struggled up over the storm tipped Purcells and finally splashed down into Balfour harbour.

And then I was alone on the silent jetty by an empty boat house, peering down the rutted road already whitened by November's first fall of wet snow.

Joyce is not on the landing.

A single car sits idling, facing the bay. The man behind the wheel wears a red hunting cap, with flaps turned up..

"Excuse me, somebody was supposed to meet me and . . ."

"Oh yea? Here get in, it's wet out there."

"Geez, thanks, I really appreciate this. I'd be glad to pay . . ."

"Nah, that's OK." He flicks on the headlights and they dance against the driving snow. The man has a cast in his right eye.

"Name's Bernard," he says, "where you going?"

"Kaslo, past Kaslo, it's a camp 'bout three miles up the lake."

"Oh, Perry's place," says Bernard. "Not a good hill there, past Kaslo, not in this snow."

"Maybe I should get a room in town . . ."

"Nah it'll be OK, I got an appointment anyway, past Kaslo."

I stare out at the snow. Nothing. Bernard drives very slowly. His cast eye seems to be looking at me.

"I saw God last week," he says.

"God?" He's joking. I know he's joking.

"Not like you'd think," he says. "Not old with a beard you know. Last week, past Kaslo, bout this time."

Christ, I think, this guy's off the wall. "You know Bernard, it really is a bad night, maybe if you'd just drop me off in Kaslo..."

"No trouble," says Bernard. "Like I told you I got this appointment, past Kaslo, and I'll show you exactly where I saw God."

**The car swings crazily as a little doe out of nowhere hits our left headlight and bounces off into the windshield on my side.**

Humour him. "How did you know He was God?"

"She," Bernard says.

"She then. How did you know She was God? Did She say so?" I'm nervous. Don't antagonize him.

"No, it wasn't anything like that, I . . . JEASUS!"

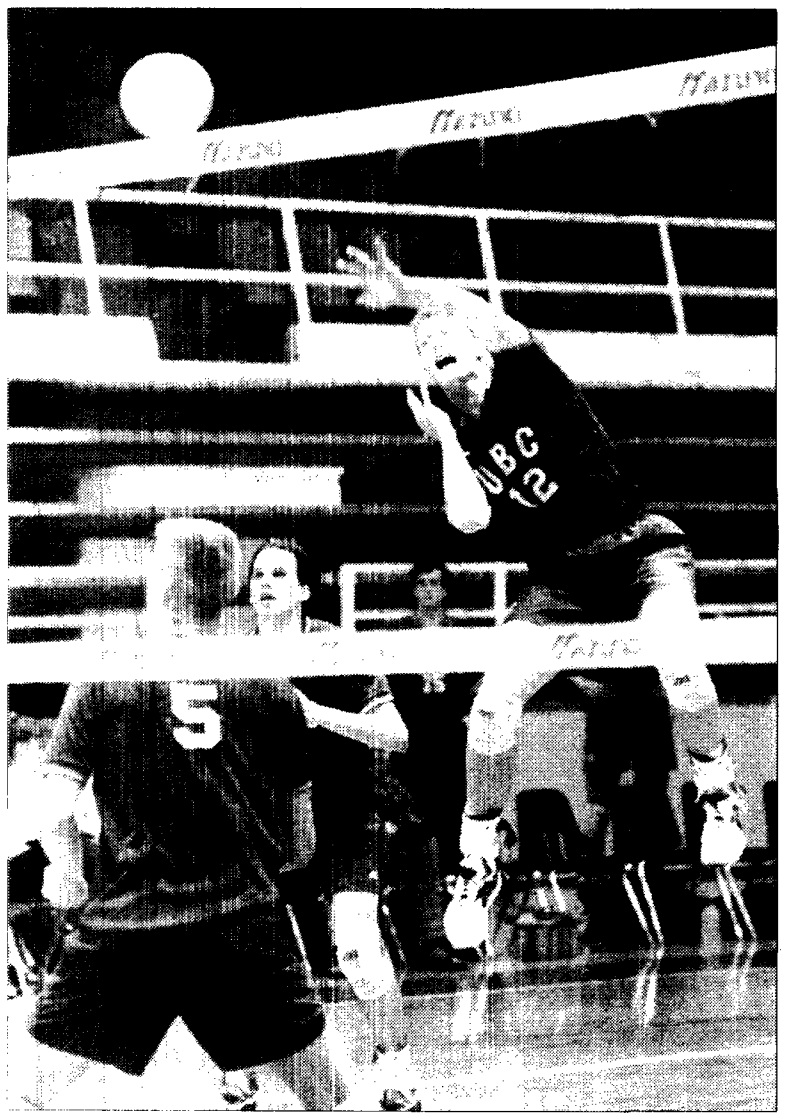
The car swings crazily as a little doe out of nowhere hits our left headlight and bounces off into the windshield on my side. I scream as her huge frightened eyes stare at me through the shattering glass. And then she is gone.

"Gotta watch them deer," pants Bernard, fighting the wheel, "they're all over this time of year. I can't stop for her on this grade. I hope she'll die quick."

And then, real quiet, he says, "God — God. She's a woman. A fat woman. Nobody told me, I just knew. I knew because She was on the radio. Just round the bluff...."

I don't hear him anymore. I'm shaking. I can feel his cast eye looking at me and I don't see him reach for the radio, but there's music, and over the roar of applause an announcer is saying, "And now folks, from Nova Scotia we bring you . . ."

And then, as we pick up speed down the long drop past Kaslo where Bernard saw God, the fat lady began to sing.



Steve Chan photo

## Birds Of Prey

**Graduating men's volleyball captain and national B team member Ross Ballard, no. 12, made his final home-court appearance Feb. 10 against the Saskatoon Huskies. The men's season ended Feb. 19, when the Thunderbirds fell to hometown University of Saskatchewan in the Canada West semi-final. The women's volleyball team is on its way to the Canada West final against the University of Alberta Feb. 23-25 in Edmonton.**

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# Access to bus lanes should speed commuters' journeys

**by Abe Hefter**

*Staff writer*

Life in the fast lane just got a little faster for UBC vanpoolers.

Six bus lanes will now be accessible to vehicles carrying six or more passengers on portions of highways 99 and 17, Provincial Transportation and Highways Minister Jackie Pement announced last month.

"We're thrilled with this decision," said Karen Halex, director of the Jack Bell Foundation Vanpool Program.

"It tells us that the province is supporting the vanpool initiative and is giving people the incentive to get out of their single occupant vehicles."

The move has cut down on travel time for those UBC vanpoolers who travel from White Rock, Ladner, Tsawwassen, Langley, Surrey and Abbotsford.

"On average, 15-minute savings are realized on trips southbound during the afternoon rush hour," said Halex.

"Using the bus lanes on the ride to UBC hasn't made an appreciable difference yet in terms of saving time. However, access to the bus lanes in morning rush hour has resulted in a less stressful trip in for many of the vanpool drivers."

**Commuter vans like the one above are now allowed to travel in bus lanes on several routes. Eighteen of the 72 Jack Bell Foundation vanpools that service the Lower Mainland and Vancouver Island serve UBC.**

The Jack Bell Foundation has been making minivans available to groups of commuters at no profit since 1992. UBC joined the program in June of that year. Eighteen of the 72 Jack Bell Foundation vanpools that service the Lower Mainland and Vancouver Island serve UBC. Almost 150 members of the campus community currently take part in the program.

Vanpool riders pay a monthly fee of approximately $100, depending on the distance they travel. The fare covers 100 per cent of operating and capital costs of the vans.

For more information on vanpooling, call the Jack Bell Foundation at 879-RIDE.

**BEYOND THE B.A. . . .**

**MARCH 1**
**FAST FORWARD -- THE CHANGING JOB MARKET & YOU**
12:30 - 1:30 Buchanan A104

We've invited an expert to talk about where the job market is headed and how you can position yourself to be part of it. Don't miss the opportunity to learn what's ahead!

*Speaker:* **Diane Alfred**, Economist
Department of Human Resources and Development Canada

**MARCH 2**
**THE COMPLETE JOB HUNTER**
12:30 - 1:30 SUB Auditorium

Do employers hire Arts graduates? What are the components of an effective resumé? What are the 50 most commonly asked interview questions? We'd like to give you answers to these questions and many more. Our speakers can help make your first steps Beyond the B.A. more profitable and rewarding.

*Speakers:* **Casey Forrest**, Principal, Pinton, Forrest & Madden Group
*Vivian Walwyn*, Recruitment Consultant, UBC Placement Services

**MARCH 3**
**AN ARTS DEGREE? IT WORKED FOR ME!**
12:30 - 1:30 SUB Auditorium

Come and meet UBC grads who are willing to stake a paycheque on the value of the B.A. even in the job market of the '90s. They will tell you from personal experience how they used a B.A. degree as a springboard to a successful career.

*Speakers:* **Carla Banfield**, BA '89 (Anthropology)
Financial Development Coordinator, Canadian Cancer Society
**Bill Cawker**, BA '84 (Anthropology)
Investment Advisor, C.M. Oliver & Co., Ltd.
**Catharine Walwyn**, BA '88 (Sociology)
Advisor, Royal Trust Corporation of Canada

**For Further Information Call 822-8917**

Abe Hefter photo

## Jazz'n It Up

**Third-year Music student Ward Blair joined trumpet and piano soloist Alan Matheson, Director Fred Stride and the rest of the UBC Jazz Ensemble in a celebration of the music of Duke Ellington Feb. 10 at the Music Building Recital Hall. The performance was one of many held on campus Feb. 9-11 as part of ArtsFest, an initiative of the creative and performing arts departments in the Faculty of Arts including Creative Writing, English, Fine Arts, Music and Theatre and Film.**

# Fee extension will permit construction of tennis bubble

**by Abe Hefter**

*Staff writer*

UBC will once again be home to an indoor tennis centre following a decision by the Board of Governors to approve the extension of the Student Recreation Centre (SRC) fee.

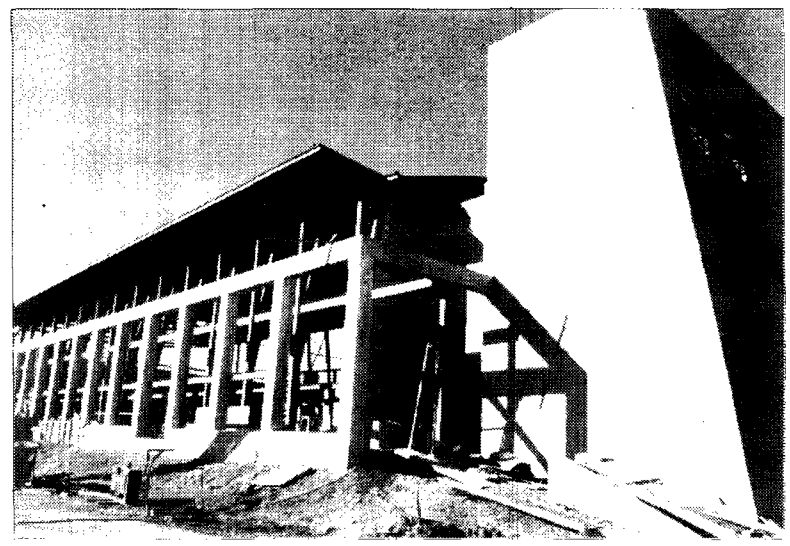
An athletic and recreation facilities fee in the amount of $40 per year per full time student was put into effect in 1991-92 towards the construction of the SRC. The fee was to be reviewed during the 1995-96 academic session and a decision made to continue or discontinue the fee effective next year.

**The decision to extend the fee through 1997-98 will enable UBC to make up a $1-million shortfall in contributions by those students who opted out, and to permit the construction of a tennis bubble.**

In 1983, Tennis Canada entered into a 10-year agreement with the university to provide a bubble covering four UBC courts. However, the facility didn't prove to be financially viable for UBC, according to Bob Philip, director of Athletics and Sport Services, and the bubble was removed in 1991.

"The decision to extend the SRC fee will enable us to meet the growing need to provide an all-weather playing surface for instructional and recreational purposes, while giving UBC full ownership," said Philip.

"This will give UBC students, faculty and staff more of an opportunity to use the tennis bubble. Such a facility would also be expected to generate revenue, which could be spread into other intramural and campus recreation programs."



Abe Hefter photo

**Construction of the Student Recreation Centre began in September. The centre is scheduled to open next fall.**

Former Alma Mater Society President Bill Dobie expressed his support to extend the fee.

"The Student Recreation Centre's primary function is to accommodate the overwhelming demand from among the general student body for intramural sports," said Dobie.

> **"The Student Recreation Centre's primary function is to accommodate the overwhelming demand from among the general student body for intramural sports."**
>
> - Bill Dobie

"A new tennis centre built by students would ensure that students get the peak time for the facility."

Construction of the SRC began last September and the facility is scheduled to open next fall. There is no immediate word on when construction on the tennis bubble will begin.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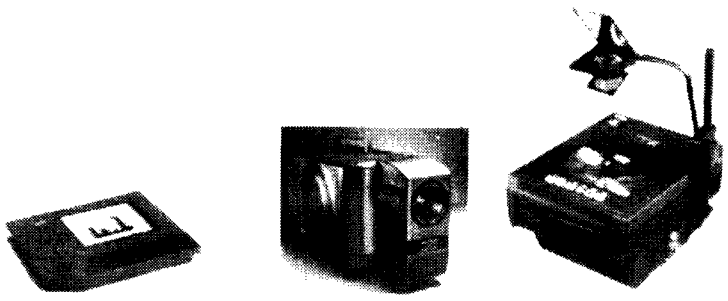

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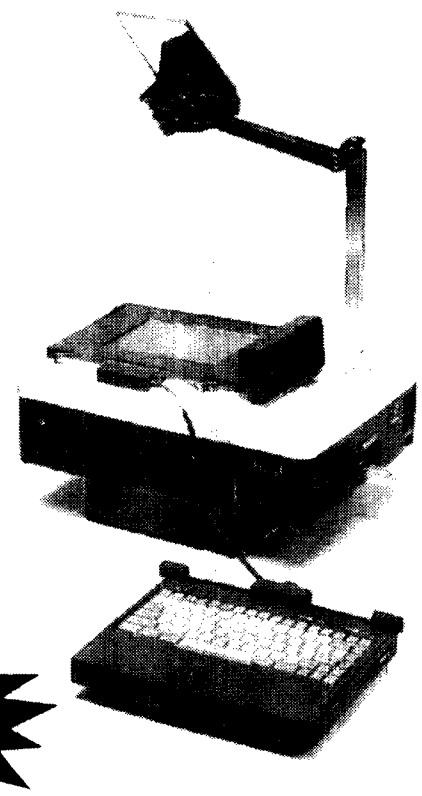

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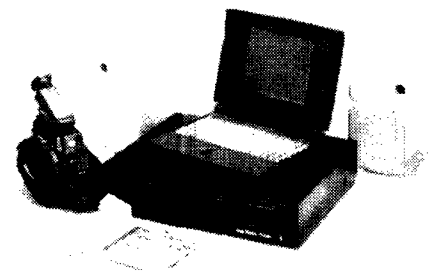

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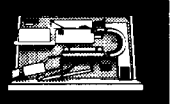

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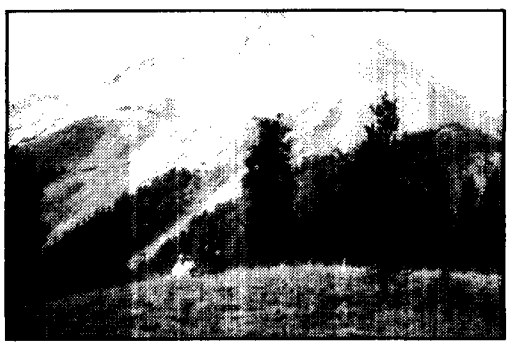
## Dr. Tom Perry, MLA

invites you to two Community Meetings in Vancouver - Little Mountain



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- *Discussion of provincial & local issues*

Tuesday, Feb. 28
Emily Carr Institute of Art & Design

Monday, March 6
The Stanley Theatre
11th & Granville

Meetings begin at 7:30 p.m.
For further information, call 733-1334.


# Classified

The classified advertising rate is $15.75 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Public Affairs Office, 207-6328 Memorial Road, Vancouver, B.C., V6T 1Z2, accompanied by payment in cash, cheque (made out to UBC Reports) or internal requisition. Advertising enquiries: 822-3131.

The deadline for the March 9, 1995 issue of UBC Reports is noon, Feb. 28.

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**BY OWNER** Save $1,000s - Sunny 2bedrm, 2 bath condo. 16th Ave. 25 mins. to UBC. Quiet, 3 skylights, gas f/p, washer/dryer ensuite, d/w and neat sunroom. 855 sq.ft., NO GST! Asking $179,500. NO AGENTS! Call Anne at 874-6888.

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## Accommodation

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

**JERICHO BEACH GUEST HOUSE** Ideal accommodation for UBC visitors, close to UBC, reasonable rates. 3780 W. 3rd Ave. Call hosts Ken and Carla Rich at 224-1180.

## Housing Wanted

**UBC EXECUTIVE** (husband/wife) couple require a 2 bedrm/den townhouse or condominium with lease $1,500 - $2,000 range (West Side). Non-smokers, no pets, meticulous housekeepers, would seriously consider an option to purchase. Please phone: 682-8087 or fax details 682-8010.

**ACADEMIC COUPLE**, 1 child, reliable, looking to house sit in Vancouver. Reasonable rent. Will look after pets, starting summer '95 for 2 months to 1 year. To respond call collect Montreal (514) 845-7506.

**HOUSING WANTED** Young professional couple seek 1 bedrm furnished apartment (or would housesit) in Vancouver (preferably downtown - or on good bus route); May 1 - end August. Non-smokers. Tel: (416) 596-6835 or email: lawwhh@uwoadmin.uwo.ca

## Events

**HIV/AIDS CONFERENCE** 9th Annual BC HIV/AIDS Conference. Focus on Drug Users. Nov. 5-7, '95. Sponsored by Continuing Education in Health Sciences, UBC; The Province of BC Ministry of Health; BC Centre for Excellence in HIV/AIDS; and St. Paul's Hospital, Vancouver, BC. At: Westin Bayshore Hotel, 1601 W. Georgia St., Vancouver, BC. For further information call: (604)822-4965 or Fax: (604)822-4835.

**SEATING SYMPOSIUM** 12th International Seating Symposium, March 7-9,'96. Vancouver, BC. Call for Submissions, Deadline: June 1, 1995. Sponsored by: Sunny Hill Health Centre for Children; UBC, Division of Continuing Education in the Health Sciences; University of Pittsburgh, School of Health and Rehabilitation Sciences; RESNA. For further information, contact: 12th International Seating Symposium, Continuing Education in Health Sciences, The University of British Columbia, Rm. 105 - 2194 Health Sciences Mall, Vancouver, BC, Canada V6T 1Z3. Tel: (604)822-4965 or Fax:(604)822-4835.

# Review shows college partnership is working

by Connie Filletti

*Staff writer*

A five-year review of UBC's partnerships with University College of the Cariboo and Okanagan University College credits high academic standards and government support for the success of the joint ventures.

In 1989, UBC undertook to provide third- and fourth-year programs at the university colleges, leading to degrees in Arts and Science, for a period not to exceed 10 years.

UBC's program in elementary education is also offered at Cariboo.

"We recognized that the most efficient method of increasing access to university for citizens of British Columbia was by offering undergraduate degrees in existing colleges, outside the Lower Mainland," said UBC President David Strangway.

"Third- and fourth-year enrolments have increased from zero to 940 in five years and first- and second-year enrolments for the two university colleges have increased from 2,930 in 1989/90 to an estimated 5,983 in 1994/95 — more than double."

The province's Ministry of Skills, Training and Labour has funded UBC directly for its participation in the programs since their inception.

Although legislation now exists enabling the university colleges to become degree-granting institutions, neither Cariboo nor Okanagan have expressed their intention to seek immediate independence.

"Degree parchments now acknowledge both partners in each degree program, and we will ensure that students currently enrolled receive a UBC degree if they complete in a timely way," said Dan Birch, vice-president Academic and Provost.

"Beyond that, we will look to the university colleges to tell us when they feel ready to offer degree programs independently, perhaps program by program."

The review recommends that UBC play a post-independence role if desired by the university colleges. The nature of UBC's participation would be determined jointly by the university colleges and UBC.

# Speakers to share insights, advice, with Arts students

Career opportunities and job search methods for UBC Arts graduates are the focus of Beyond the BA, a three-day lecture series held during Arts Week on March 1, 2 and 3.

Sponsored by the Arts Undergraduate Society, the Faculty of Arts and the Alumni Association, the event aims to give students an optimistic and realistic view of career possibilities.

This year's forum will focus on three key areas: trends in the current job market, how to prepare yourself for the job hunt and how some UBC Arts alumni have put their BA to good use.

Diane Alfred, an economist from the federal Dept. of Human Resources and Development (formerly Employment and Immigration) will kick off the event by discussing current trends in the job market and how students can best take advantage of them.

On the second day, Vivian Walwyn, a recruitment consultant for UBC Placement Services, will share the floor with Casey Forrest of Pinton, Forrest and Maddin, a Vancouver-based company that specializes in training and management recruitment.

Together, they will provide advice on how to make those first steps beyond the BA more profitable and rewarding. Topics include the components of an effective resume and how to prepare for a job interview.

The third day includes a discussion with four UBC alumni who will explain how they used their BAs as a springboard to a successful career.

Among the alumni speaking will be Carla Banfield of the Canadian Cancer Society, Bill Cawker of C.M. Oliver and Co., and Catharine Walwyn of Royal Trust.

The series is free of charge and each of the hour-long lectures begins at 12:30 p.m. The first lecture takes place in room A104, Buchanan Building. The remaining lectures will be held in the Student Union Building auditorium.

For more information call Dawn Levy of the UBC Alumni Association at 822-8917.

Dave Thomson photo

## Singing Out

**Performers in the sixth annual UBC at The Orpheum concert rehearse their rendition of the Verdi Requiem. The concert on March 12 will feature close to 300 voices including the University Singers, the UBC Choral Union, UBC Symphony Orchestra and guest soloists.**

# People

*by staff writers*

Two members of UBC's Faculty of Medicine have been named directors at St. Paul's Hospital.

Dr. **Sam Lichtenstein** has been appointed program medical director of the hospital's new Heart Centre.

An associate professor of physiology and a clinical associate professor of surgery, Lichtenstein received his MD from the University of Maryland and his PhD from the Johns Hopkins School of Medicine.

He undertook specialty training at the University of Toronto where he was an associate professor of surgery before joining UBC in 1992.

The Heart Centre will be the site of a full spectrum of activities related to heart disease including preventative medicine, rehabilitation and research.

Dr. **Peter Pare** has been appointed director of the hospital's new Health Research Centre.

Pare, a UBC faculty member since 1977, is a professor of Medicine. He also serves as the associate head of research for the Dept. of Medicine at St. Paul's Hospital and is a member of the hospital's Scientific Review Committee.

The Health Research Centre will co-ordinate and support a broad base of researchers and a variety of clinical trials from the hospital and UBC.

Its primary aim is to foster research directed at assessing which services are the most effective and cost-efficient in diagnosing and treating illness.

• • •

**Margaret Moore** has been appointed network commercial director for the Canadian Genetic Diseases Network.

**Moore**

The network, part of the federal Networks of Centres of Excellence program, is headquartered at UBC and led by Dr. Michael Hayden, a professor of medical genetics.

It is an innovative, nation-wide collaborative research program in human, genetically transmitted diseases.

Moore will work with the network's principal investigators across Canada, and with the board of directors, to spearhead new commercial spin-off companies.

Most recently, she served as executive vice-president and chief financial officer with Hume Medical Information Services Inc. of Toronto and Connecticut.

• • •

Biochemist **Victor Ling** has been appointed assistant dean, Cancer Research, in the Faculty of Medicine for a five-year term beginning June 1.

Ling, who holds a PhD in biochemistry from UBC, has served at the Ontario Cancer Institute in Toronto for the past 24 years. He currently heads the institute's Division of Molecular and Structural Biology.

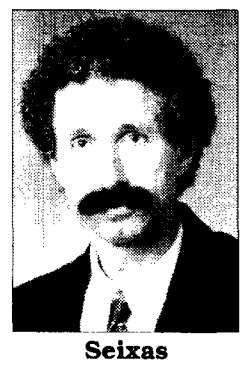
A faculty member in the Dept. of Medical Biophysics at the University of Toronto, Ling was recently conferred with the title University Professor, the highest honour the university bestows.

His research focuses on the mechanisms of drug resistance in chemotherapy.

In addition to his UBC appointment, Ling will serve as vice-president, Research, at the B.C. Cancer Agency and as director of cancer research at the Vancouver Hospital and Health Sciences Centre.

• • •

Asst. Prof **Peter Seixas**, with the Dept. of Curriculum Studies in the Faculty of Education, is the 1994 recipient of Exemplary Research in Social Studies Education Award. Presented by the National Council for the Social Studies (NCSS), the largest association in the U.S. devoted solely to social studies education, Seixas was recognized for his study "Historical Understanding among Adolescents in a Multicultural Setting."



**Seixas**

# Symposium will address access to education issues

by Abe Hefter

*Staff writer*

A symposium that will address the issues of access to post-secondary education for persons with disabilities will be held Feb. 24 to commemorate the late Paul Jones, who was instrumental in developing policies and guidelines to promote the integration of persons with disabilities at UBC.

Author-lawyer David Lepofsky, the recipient of the 1993 Human Rights Lawyer of the Year Award from the Advocacy Resource Centre for the Handicapped, will be the keynote speaker at the Paul Jones Memorial Symposium.

"Mr. Lepofsky has many years experience in the area of human rights and people with disabilities," said UBC Disability Resource Centre (DRC) Advisor Steve Estey.

"He has written, litigated and spoken extensively on human rights issues as they pertain to people with disabilities."

The symposium will take place in room 214 of the Student Union Building beginning at 10:30 a.m. Following his address, Lepofsky will be joined by UBC Law Assoc. Prof. Bill Black; Sheila Devine, director of Equity Issues and assistant to the president at the University of Victoria; and UBC Law Dean Lynn Smith for a panel discussion from 1-3 p.m.

Black recently completed a report on human rights in B.C. Devine is a member of the Canadian Association of University Solicitors. Smith has published in the fields of human rights, Charter equality rights and women's equality, and civil litigation.

Paul Jones was one of the first staff members to join the DRC in 1991. As a co-ordinator he helped establish the services presently offered by the centre for students with disabilities and was actively involved in promoting barrier-free access.

Paul Jones passed away in 1993. This symposium has been organized by DRC staff to commemorate Paul and his accomplishments.

## Profile

# Security Check

*Criminologist Richard Ericson looks at the decline of innocence in a society of strangers*

**by Charles Ker**
*Staff writer*

Police headquarters for Ontario's Peel Region is a genuine techno-fortress. Eighteen remote-control security cameras tilt, pan and zoom in on doors controlled by computer access cards. Electronic door hinges that fail to shut automatically register on a graphic console of the building monitored around the clock. Sonic intrusion alarms protect top security areas indoors while outside, high-intensity lights bounce off reflective windows tilted to deflect bullets and errant projectiles.

Secure? You bet. Overkill?

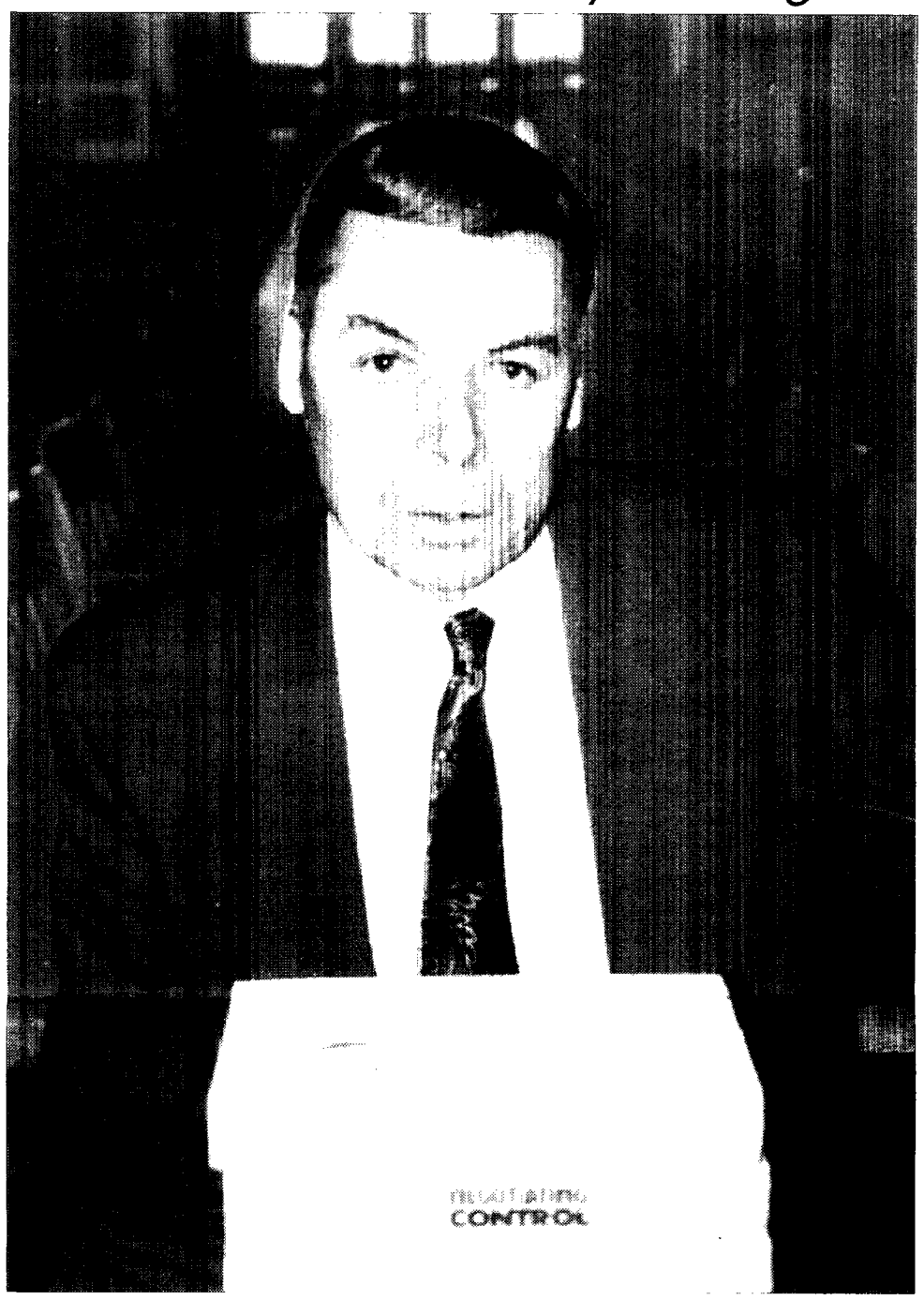
"When was the last time you saw a police station in Canada attacked by an angry mob?" asks Richard Ericson, a criminologist who has spent two decades studying relations among police, the courts, mass media and society. By regarding all citizens, even its own police employees, as untrustworthy and potential risks, the sociology professor says the station exemplifies a state of declining innocence in a late-modern society of strangers - foreboding ideas which are backed by ample research. "If anything," Ericson jokes, "I err on the side of excessive empirical detail."

Formerly director at the University of Toronto's Centre for Criminology, Ericson was wooed westward 18 months ago to become founding principal of UBC's Green College, Western Canada's only residential graduate college. The position called firstly for a scholar of high achievement. A founding co-editor of the Canadian Journal of Sociology, Ericson has a criminology diploma and four degrees, two each in criminology and sociology. 'Landmark' is the term most often used to describe his research contributions in these fields.

When Peel HQ opened its electronic doors in 1982, Ericson had just completed the final instalment of his first trilogy - Making Crime (1981), Reproducing Order (1982) and The Ordering of Justice (1982). The five-year project explored the criminal justice process on a scale and scope unheard of then or since.

Supported by the Social Sciences and Humanities Research Council (SSHRC), Ericson and colleagues accompanied patrol officers on 348 shifts, shadowed detectives for 11 months and compiled 2,500 pages of transcriptions from plea bargaining sessions tape-recorded in Crown attorney offices. Conclusion: the criminal justice system operates on a presumption of guilt in which police take for granted that they have done everything necessary to secure a conviction and sentence. They also expect the Crown to ratify their work.

According to Ericson, Canada isn't the only country harbouring this presumption. In England - where Ericson earned a diploma and doctorate from the Institute of Criminology at Cambridge University - the Crown Court has a standard 25 to 30 per cent sentence discount for early guilty pleas. In some U.S. jurisdictions, plea bargaining is negotiated openly in court with judges' full participation. All this, says Ericson, in the name of court efficiency.



Charles Ker photo

**"There are major cases where due process does get displayed and accused are acquitted, but for the most part the mass media have joined with the criminal justice system in making little pretence about presumption of innocence. Mass media show the world as being rife with people who are not innocent."**

- Richard Ericson

After 15 years peering inside the criminal justice system, Ericson turned his attention in the mid-1980s to the mass media and its influence in defining crime and creating perceptions of justice.

"There are major cases where due process does get displayed and accused are acquitted, but for the most part the mass media have joined with the criminal justice system in making little pretence about presumption of innocence," he says. "Mass media show the world as being rife with people who are not innocent."

At the far end of the scale are televised police re-enactments in which officers give personal testimonials to the guilt of those they apprehend. Then there is the "reality programming" - i.e. "Crime Stoppers," "America's Most Wanted" or England's "Crime Watch UK" - which urge viewers to participate in the capture of criminals. In each case, Ericson notes that the court is always absent, public fears raised and obsessions with personal security measures reinforced.

Using their tried and true approach of first-hand observation, Ericson's research team completed a massive study of TV, newspaper and radio crime news, how it was gathered and reported. The probe took them through newsrooms, public relations firms, media relations departments, political parties and interest groups and resulted in the publication of a second trilogy - Visualizing Deviance (1987), Negotiating Control (1989) and Representing Order (1991). Ericson successfully submitted this and his earlier series to Cambridge's Faculty of Law for a Doctor of Letters (Litt.D.) in 1991.

Today, in between lectures to graduates in the faculties of Arts and Law (where he is the only faculty member who is not a professionally trained lawyer), the soft-spoken scholar continues to add to and mine his rich data collection. Since 1992, he has turned attention again to matters of policing, security and the notion of "risk profiling."

Policing the Risk Society is the tentative title for Ericson's forthcoming book, scheduled for completion in 1996. Its main premise is that understanding crime is first and foremost a matter of understanding how institutions classify crime and, through their classifications, react to it. Our late-modern society of strangers is characterized by institutions clamouring for knowledge useful to their own risk management, risk assessment and security. The role of police, the author states, has turned from law enforcement to that of highly formatted knowledge brokers for these institutions.

Ericson trots out a few statistics to back this claim: the RCMP has 2,100 operational forms, many of which are explicitly designed for the risk information needs of external institutions; a one-page crime report sheet, blank in 1939, is segmented into 153 different items by 1979; a multi-page accident form in Alberta comes with a 48-page coding book detailing how to record each item. He contends that some officer actions aren't regarded as police work unless they fit into one or more of these external formats.

"Most things police record they can't do anything about anyway," says Ericson, pointing out that the clearance rate for break-and-enter offenses in Vancouver stands at around three per cent. "This information basically becomes commodified and sold to insurance companies, financial institutions and others."

He points out that individuals are constantly forced to prove their innocence to institutions through measures such as security checks, credit card scanning, pre-employment screening or drug tests.

At Green College, unlike some other traditional colleges, there is no gatekeeper controlling access to a centrally enclosed space. Since his arrival, Ericson has promoted the college as a place of face-to-face communication; a welcoming place of inclusion.

Ongoing construction at the north campus site made college operations less than ideal in the early stages, but Ericson credits the "overwhelming" enthusiasm of residents, university colleagues and off-campus members for making the college a current hotbed of activity. Through its various lectureships, workshops, and eight interdisciplinary programs, the principal says the face-to-face society of scholars serves well beyond the boundaries of its 100 residents. On almost any given night anyone can come and listen to guest speakers talk about issues ranging from male survivors of sexual abuse to Canadian architecture in the 19th century.

Despite having his office door only steps from the front door of his home, the professor doesn't mind being at work 24 hours a day. "The idea of building a community where you integrate all aspects of social and intellectual life was too appealing to pass up," he said. "I've always been involved with graduate education and interdisciplinary environments, so in that sense Green College is entirely consistent with my background."

Based on that background alone, Green College has a bright future.