

# UBC REPORTS

Volume 40, Number 4

February 24, 1994

## Full fees proposed for int'l students

by Gavin Wilson

Staff writer

UBC's international student enrolment would increase to 15 per cent of UBC's total, with two-thirds of international students paying full-cost tuition fees under a proposal being considered by the university.

If the proposal is approved by Senate and the Board of Governors, UBC will become the first university in Canada to introduce such a program for international students, although it mirrors those in other countries, including Australia.

"This proposal fits in with our outreach and internationalization efforts without any expense to the university," said UBC President David Strangway.

Faculties would be able to introduce the program as early as the 1994/95 winter session, a move that could eventually generate up to \$20 million in additional annual revenue for the university.

International students now account for three per cent of undergraduates at UBC and, with a few exceptions, pay 2.5 times the domestic student fee.

Strangway said the plan would not displace Canadian students since the international students would be over and above the number of places funded by the provincial government. The number now funded is a matter of government policy, he added.

Under the plan, no student would be admitted who does not have academic standards at least as high as domestic students admitted to the same program.

All admissions would be handled in the standard way by the Registrar's Office or the Faculty of Graduate Studies.

The proposed 15 per cent quota would be applied to undergraduates and professional graduate-degree programs that are not research-based, such as the MBA, MEd, MEng and Pharm D programs, on a faculty-by-faculty basis.

Graduate students in research programs would continue to pay domestic rates for tuition, reinforcing UBC's mission to attract the best research students from around the world and encourage reciprocal opportunities for B.C. students, Strangway said.

### Full proposal on Page 9

Under the plan, about one-third of the scholarship equivalent to a tuition waiver for the extra amount. This group would include exchange students, outstanding scholars and others. The remaining two-thirds would pay full-cost tuition.

UBC would set these fees with the existing formula used by the provincial government to fund the university. Under this formula, international students would pay various fees according to their area of studies, starting at \$6,864 per year for first- and second-year arts.

Current tuition fees for international students are about \$5,100 for most undergraduate programs.

Strangway said the provincial government has defined UBC's obligation to British Columbia students by funding a specific quota of 54,602 weighted full-time equivalent (WFTE) students.

The university is already surpassing that obligation by carrying an additional 6,722, or 12 per cent, unfunded WFTE students, at a cost of \$32 million.

## Personal security focus of new campus committee

by Connie Filletti

Staff writer

UBC's administration is taking steps to develop a personal security program for the campus, including the creation of a personal security advisory committee.

"The committee will advise me on changes needed in university policies, procedures and practices which affect personal security," said Bruce Gellatly, vice-president, Administration and Finance.

Committee members include representatives from the RCMP university detachment, the Alma Mater Society (AMS), Parking and Security Services, the Dept. of Health, Safety and Environment, the Women Students' Office, Employment Equity, the President's Advisor on Women and Gender Relations and Community Relations.

The committee will also advise on a personal security plan for the campus, review and advise on personal security issues referred to them and advise on appropriate personal security training programs for faculty, staff and students, he added.

A full-time personal security officer will be appointed by the university to

assist the advisory committee in its work.

The AMS Ad Hoc Task Force on Campus Safety is seeking to establish a similar initiative.

The AMS is calling for the creation of a permanent, student-run task force on campus safety and the appointment of a campus safety issues officer reporting to student council.

The officer's primary responsibilities would include implementation of task force recommendations and expanding the society's role in improving campus safety, said Bill Dobie, AMS president and a member of the ad hoc task force.

The two proposals were cited in a preliminary report released by the ad hoc task force last month which listed a total of 16 recommendations including:

- support for a proposed task force to examine UBC's chilly climate
- increased funding for the AMS SafeWalk program
- financial support for the Main Library's safety monitor
- free night parking on campus
- centralization of evening classes
- financial support for ads featuring information about acquaintance sexual assault.



Abe Heffer photo

### Ribbon Dance

A member of the Strathcona Chinese Dance Company performs a ribbon dance. The dance group took part in the spring festival fair at the UBC Asian Centre Auditorium Feb. 7.

## New college aims to create an international community at UBC

by Abe Heffer

Staff writer

UBC is proceeding with plans for the construction of St. John's College, a residential graduate college which will create an international community of scholars at UBC.

Alumni of St. John's University, which operated in Shanghai until about 1950, are seeking to raise \$15 million to perpetuate the memory and achievements of their alma mater by donating funds which will provide for construction and a substantial operating endowment of St. John's College.

"The college will sustain the memory

and enhance the reputation of St. John's University, while enriching UBC and creating new opportunities to promote international exchanges and understanding," said John Grace, dean of the Faculty of Graduate Studies.

"The operating endowment will make it possible for the college to operate as a community with an academic focus and with residents' fees no higher than those of student residential facilities of comparable quality on campus."

The college is being planned for a site near the corner of West Mall and University Boulevard. An opening date for the college has not yet been determined.

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## Letters

### Visiting prof offers glimpses of exotic world

**Editor:**

I am a visiting professor from Northwest Normal University, Lanzhou, Gansu, the People's Republic of China. I am working with Prof. Murray Elliott of the Dept. of Social and Educational Studies on multicultural education in Canada under the Canada-China Scholarly Exchange Program 1994, jointly sponsored by AUCC and the State Education Commission of China.

I also represent two linked institutions in Northwest China: the Northwest Normal University and Hezuo Teacher's College for the Minorities. The former has the best teacher education programs for nearly 30 different minority groups in the region and the latter caters in particular to the ethnic communities of Tibetan and Hui (Chinese Muslims) people. Currently, the above-mentioned institutions are interested in establishing friendly relations with individuals and institutions in North America and throughout the world in order to:

- 1) Exchange visits of the faculty and staff;
- 2) Develop joint research

projects:

3) Arrange cultural and educational tours for students and other interested individuals and groups;

4) Identify potential candidates who are interested in teaching English and other subjects in these institutions.

For further information please call me at 3-8830 on campus or drop a note in my mail box at the Dept. of Social and Educational Studies.

I have videotapes about cultural and educational developments in the Tibetan and Hui areas. You are more than welcome to get some real-life glimpses of those exotic residents of the global village.

**Aicheng Yang, PhD**  
Associate Professor of Education  
Institute for Educational Research  
Northwest Normal University  
Lanzhou, Gansu, P.R.C.



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### White males, pampered sons

**Editor:**

Peter Suedfeld's response (UBC Reports, Feb. 10) to my letter of Jan. 27 is astoundingly naive. Professorships have since their invention been routinely conferred in part at least because of "social and political views." Stringent ideas of 'political correctness' held by the academy's founders excluded the great majority of women and men from rewards of every kind. Preferential hiring ensured the promotion only too often of clones of the founding fathers. Notions of 'merit' have been, and are, constructed daily in a host of situations that regularly, in our society, privilege

the opinions, and the experience, of the white, the middle-class, the heterosexual, and the men among us. If, as feminists hope, equal opportunity does manage more than a foothold in universities, more directors of research institutes, and who knows, perhaps more professors of psychology will come from groups who have previously been denied what the original affirmative action programs have so readily given to patriarchy's most pampered sons.

**Veronica Strong-Boag**  
Professor and Director  
Centre for Research in Women's Studies and Gender Relations

*LETTERS continued on Page 10*



THE UNIVERSITY OF BRITISH COLUMBIA

### CALL FOR APPLICATIONS AND NOMINATIONS

## Associate Vice President, Equity

The Associate Vice President, Equity, will participate in regular meetings of the Deans and Vice Presidents and will be responsible for keeping equity matters in view at all times, and for leading the Human Rights Office in its mandate to enhance equity, respect and diversity at UBC.

The search has been limited to candidates internal to the university. The appointment will be for a fixed term (probably five years) though it will be renewable following review and mutual agreement. It is desirable, therefore, that the appointee have a continuing faculty or staff position to which she or he can return on completion of the term(s) in office.

Establishment of this position is accompanied by reorganisation of several functions and the discontinuation of other positions. Therefore, it will be helpful if the appointee knows the university, its culture and organisation.

The competition will remain open until the search process is completed and the position filled. Please submit nominations and applications as soon as possible. If you wish to nominate a potential candidate, it is not necessary to obtain that person's concurrence as the search committee will contact the nominee to determine whether she or he is willing to be considered.

Direct applications and nominations to:

Daniel R. Birch  
Vice President Academic and Provost  
Chair, Search Committee for the Selection of an Associate Vice President, Equity  
University of British Columbia  
6328 Memorial Road  
Vancouver, B.C. V6T 1Z2

#### Search Committee Members:

Jo-ann Archibald, First Nations House of Learning  
Winnie Cheung, International Student Centre  
Bill Dobie, Alma Mater Society  
Ira Nadel, Advisory Committee on Sexual Harassment  
Brenda Peterson, Academic Women's Association  
Peggy Ross, Faculty of Medicine  
Indira Samarasekera, Dept. of Metal and Materials Engineering  
Bill Black, Faculty of Law  
Nancy Sheehan, Faculty of Education  
Mabelle Sprecher, Dept. of Human Resources  
Walter Uegama, Continuing Studies

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UBC

**Multicultural Liaison Office**

### Working with International Teaching Assistants: "Theory and Practice"

Date: March 3, 8:00am to 9:30am

Place: Faculty Club, Music Room

Facilitators: Katherine Beaumont, Multicultural Liaison Office; Mackie Chase, Intercultural Training and Resource Centre.

Since 1991 International Teaching Assistants at UBC have been offered training in teaching, language and cross-cultural communication skills. This session will explore recurring issues in the work with International TAs: communication problems and differences in assumptions about roles of university instructors and students. Approaches that have been successful in resolving these problems will be presented. Speakers include faculty who have worked closely with the program, International TA training course facilitators and student advisors from the International Student Centre.

Light breakfast served. Open to faculty and instructional staff.

### Speak Free: Student Forum on Racism

Date: March 1, 5:00pm to 7:00pm

Place: Buchanan, Room A-202

Facilitators: Members of the Student Advisory Committee, Multicultural Liaison Office.

What are your concerns? What would a non-racist university be like? How do we get there? This forum will provide an opportunity for students to voice their responses to these questions. With permission of the participants, the responses will be taken to the March 21 mini-conference, "Racism: Continuing the Dialogue" and included in the recommendations from the Multicultural Liaison Office to the Provost and President.

Light supper served. Open to students only.

To register for either session, call Katherine Beaumont at 822-9583 or e-mail [mlo@unix.ubc.ca](mailto:mlo@unix.ubc.ca).



## UBC REPORTS

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UBC Reports welcomes the submission of letters and opinion pieces which may be edited for length and clarity. Opinions and advertising published in UBC Reports do not necessarily reflect official university policy.

Material may be reprinted in whole or in part with appropriate credit to UBC Reports.

# Research effort takes aim at stroke damage

by Gavin Wilson

Staff writer

UBC has signed a collaborative research agreement with a major pharmaceutical company to design and test novel drugs which may help prevent much of the damage that occurs with strokes.

SmithKline Beecham Pharma Inc., based in Oakville, Ont., will provide \$940,000 over three years to fund research by Terrance Snutch of UBC's Biotechnology Laboratory.

"UBC is delighted with this collaborative project with SmithKline Beecham," said Robert Miller, UBC vice-president, Research. "Dr. Snutch is doing very exciting research, and we are pleased to have SmithKline Beecham as an industrial partner."

Snutch and his collaborators at SmithKline Beecham will use molecular genetics to design and test new drugs that interact with a class of proteins called calcium channels.

Medications which act on calcium channels are currently prescribed for a number of disorders, including angina, hypertension, migraine headache and stroke.

Calcium channels regulate the concentration of calcium inside human cells.

This concentration affects a number of important physiological processes, including electrical activity of nerve cells and the contraction of muscles.

Little is known about how calcium channels actually function to mediate calcium entry into cells or how many different types of calcium channels exist.

Medical researchers do know, however, that calcium channels open when stimulated by infinitesimal changes in voltage. This allows calcium to pass into the cell where it prompts various biochemical and electrical activities.

Snutch's research has already identified a family of genes that encode calcium channels found in the nervous system and other tissues, including the heart.

A major focus of his research with SmithKline Beecham will be to develop agents that will block calcium channels and prevent the excessive calcium entry into neurons that is responsible for much of the damage that occurs after strokes.

Snutch's research is also expected to make important contributions toward an understanding of how calcium channels effect functions such as pacemaker activity, the release of neurotransmitters and the contraction of both smooth and heart muscles.



Stephen Forgacs photo

## 75 Years Of Nursing

Members of UBC's School of Nursing don historical dress to mark the school's 75th anniversary in one of a series of events planned to commemorate its pioneering role in nursing education, practice and research. Founded in 1919, the school is the oldest degree-granting nursing school in the British Empire. Sheila Rankin-Zerr (second from left), a visiting assistant professor from the University of Victoria, appears as Florence Nightingale and Tracy Truant (second from right) wears a nursing sister's habit. With them, in nursing uniforms from past decades, are (l-r) Gloria Joachim, Joy Johnson, Ethel Warbinek and Cheryl Entwistle.

# Consultant to advise on public planning process

by Connie Filletti

Staff writer

UBC has commissioned Vancouver's former chief planner, Ray Spaxman, to advise the university on establishing a formal public planning process.

Spaxman, a consultant with Aitken Wreglesworth Associates Consulting Ltd., hopes to recommend a planning process that is responsive to all constituents of the university.

"The plan will take into account the interest of, and the relationships between, the campus, the broader community and the various levels of government," he said.

Other objectives of the plan are to recognize the special nature and responsibilities of the university compared with other planning jurisdictions, and to ensure that planning and development occur in a responsible, timely and effective manner, Spaxman added.

He explained that the guiding princi-

ples underlying a planning process for UBC include an efficient, effective, safe and sustainable campus with a high-quality built and natural environment; neighbourly relationships with adjoining communities; and a campus plan that is integrated into the planning and the urban system of the Lower Mainland.

A liaison committee consisting of representatives from UBC's Community Relations and Campus Planning departments is assisting Spaxman in reviewing information and interviewing key university stakeholders.

Among those being interviewed are representatives from UBC's neighbouring communities, faculty, students, alumni and administrators; B.C. Transit; the Greater Vancouver Regional District; the Musqueam Band; the City of Vancouver; and the B.C. government.

The final report will be presented to the university in May, 1994 as a series of ideas for subsequent discussion.



Ar e Tomo photo

Students explore the narrow confines of Utah's Crack Canyon during a Dept. of Geological Sciences field trip to the U.S. Southwest last year.

## Field trip puts students in natural laboratory

by Gavin Wilson

Staff writer

Michelle Lamberson can barely restrain her enthusiasm as she shows a visitor the photo she took of a billion-year-old rock in the Arizona desert. Etched on the rock are the ripples of an ancient tidal flat, with the impact of raindrops clearly visible.

For Lamberson, it was one of many peak experiences during a field trip to the American Southwest held each year by the Dept. of Geological Sciences.

"The canyon walls provide excellent exposure of ancient rocks - it's amazing what's preserved. The Southwest is the world's most incredible natural laboratory for geology," said Lamberson, a sessional lecturer in the Dept. of Geological Sciences doing post-doctoral work.

Lamberson is organizing this year's tour, which will take about 30 students and faculty members to Glen Canyon Dam and Arches and Canyonlands national parks. The 18-day tour culminates with a challenging four-day hike to the bottom of the mile-deep Grand Canyon.

The field trip, departing May 9, is the fourth to the region run by the department with the support of mining and oil companies.

Lamberson said the Southwest is an ideal destination because, as well as having stunning scenery, much of the arid region is little more than bare rock.

"It's hard to miss the geology there. For students with a couple of years of

classes under their belts, it locks into place some of the ideas they've seen presented in class," she said.

The field trips give geologists a voyage through time as well as a tour to the Grand Canyon.

Beginning in Utah, students will view rocks deposited during the last ice age 10,000 to 30,000 years ago — just the day before yesterday in geological terms. As they head south into Arizona the geology gets increasingly older, until they come to primeval rocks more than 1.7 billion years old at the bottom of the Grand Canyon.

The field trip is unique in that it takes an interdisciplinary, community approach to education, Lamberson said. Students share their expertise becoming "local instructors" at predetermined locations.

Although the tour focuses on geology, students already signed up for the trip come from fields as diverse as civil engineering, biology and environmental science, and they will bring along their own perspectives.

The Southwest is rich with archaeological sites as well as geology, and this year UBC Anthropology Prof. Richard Matson will join the tour.

He is an expert on the archeology of the Anasazi, an ancient Native American people who once lived in the desert. He'll lead the group to rarely visited cliff dwellings and discuss archeological methods.

The tour will also stop at the controversial Glen Canyon dam to tour the facility and study its environmental impact.

# First Nations advisor appointed

by Abe Heffer

Staff writer

One of Hilda Green's biggest challenges as the Faculty of Arts' new First Nations advisor is reaching out to First Nations students on campus.

"UBC is a big place. There are times when you can feel like you are the only First Nations person on campus," said Green, a UBC Psychology graduate who is completing her Education degree while holding down her half-time position in the Faculty of Arts.

Green's mandate is to provide First Nations students and prospective students with information in areas including academic counselling, housing, and financial aid, in addition to administering faculty regulations.

"UBC is sensitive to the unique needs of First Nations peoples. This position was established in January to make the campus more accessible to First Nations students and make them feel more at home," said Green.

The office held one of its first outreach

programs, The First Nations House of Learning Career Fair, on Feb. 18. It gave high school students a chance to see what UBC and the individual faculties on campus have to offer.



Green

Green has offices in both the Faculty of Arts advising office in Buchanan A-207 and the First Nations House of Learning. She can be reached at 822-8765 or 822-5125.

A past vice-president of the Native Indian Student Union of UBC, Green is working on a cross-cultural research project concerning First Nations people and their perceptions of developmental transitions.



# Liu Centre will boost international studies

by Gavin Wilson

Staff writer

Planning is underway for a new centre at UBC dedicated to education and research on international development and resource issues.

The Liu Centre for International Studies will house new research and continuing education endeavours and provide space for existing units that focus on international studies, but are now located in other buildings. It will also provide some classroom and conference facilities.

"A major academic focus of the centre will be the world's developing countries and their relationship with developed regions," said John Grace, dean of Graduate Studies and co-chair of the phase one planning committee.

"The Liu Centre for International Studies will build on UBC's distinguished history of teaching and research in the field of international relations," he said.

The centre's continuing education mandate will be to prepare professionals from many countries to act as knowledgeable and responsible citizens

in a world of growing interdependence, he added.

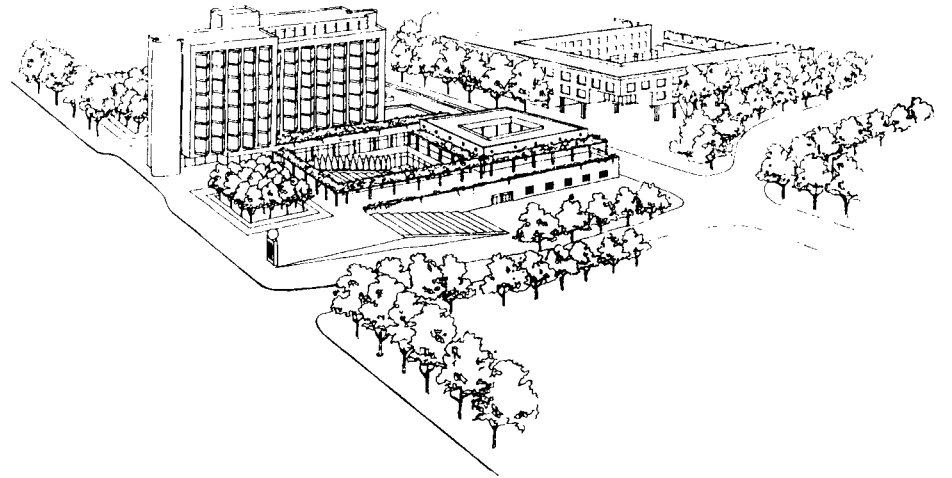
Vancouver's dynamic mix of cultural traditions, languages and economic activity provides an ideal context for such a centre, Grace said.

"The centre and the programs it will house will greatly enhance UBC's ability to meet its responsibility of preparing our students to function in a world in which international ties are growing and national boundaries are losing their former significance," said Daniel Birch, vice-president, Academic, and Provost.

Students and scholars from many different cultures will meet at the centre in an effort to understand what is needed for productive, harmonious international relations, he said.

Phase one of the centre, with space for academic programs and seminar and conference facilities, will be a \$5-million building built on vacant land at the corner of University Boulevard and Lower Mall, beside the West parkade and adjacent to the proposed St. John's College.

The second phase of the centre is planned for a later date, to be funded



Artist's rendering shows what Liu Centre, foreground, and St. John's College, right, may look like when completed.

on a full cost-recovery basis.

It will provide residential accommodation and facilities for workshops, seminars, short conferences and courses attended by Canadians preparing to deal with international

issues and by government officials, business leaders and other professionals from a wide range of countries.

Major funding for the centre will be provided from private sector donations.

## The Lion In Winter

The traditional lion dance marking the Chinese New Year was performed in the Student Union Building plaza to welcome the Year of the Dog. K.D. Srivastava, vice-president, Student and Academic Services, was given the honour of feeding the lion a head of lettuce as a portent of good luck during the AMS-sponsored event.



Gavin Wilson photo

## Institute for Advanced Studies gets Senate nod

by Abe Heffer

Staff writer

Plans to establish UBC's Institute of Advanced Studies were approved by Senate Feb. 16.

With the aid of a \$15-million endowment from Peter Wall, the largest single gift in the World of Opportunity fundraising campaign, the institute will enhance academic excellence at UBC. Approximately \$1-million in operating funds will be available beginning in 1996, with some start-up funding for intervening initiatives.

The institute will foster advanced intellectual activity and meet new challenges in emerging research areas by bringing together faculty and graduate students and other researchers from across campus. Visitors will also be brought to the campus to assist in addressing thematic topics.

"The endowment gives the university a remarkable opportunity to build an institute of the highest possible quality with direct and beneficial impact on scholarship and research," said Dean John Grace of the Faculty of Graduate Studies.

The institute's emphasis is expected to

be on the social sciences, humanities, mathematics, and interdisciplinary issues and themes.

A co-ordinating committee will develop guidelines for the operation of the new institute. In its early stages at least, the institute is expected to work closely with Green College as a base of operations.

A series of governing principles emerged from committee discussions and campus input. The institute will encourage interdisciplinary and multi-disciplinary research by building on areas where UBC has already achieved excellence and by enhancing existing departments and other units.

"We want the institute to make as broad an impact as possible so that, over time, it will touch the careers of a large number of faculty, graduate students and post doctoral scholars," Grace said.

Themes will be proposed by faculty members and explored for limited periods of time through workshops, symposia, lectures, conferences, and special events. The first competition for a thematic concentration will be held in 1994, with a closing date for applications of June 15, 1994.

## St. John's

Continued from Page 1

UBC is also planning the Liu Centre for International Studies on the west side of campus. The centre will house academic institutes and centres with a strong focus on international development and resource issues and will complement the academic efforts at St. John's College.

"The aim of St. John's College is to create a true international community," said Grace. "The interaction of graduate students from many countries and the focus on international studies will enhance international understanding and result in a strong commitment to international co-operation and development among a world-wide network of Johannians.

"Our goal is to attract outstanding international students while respecting and maintaining the ethical values and social traditions of St. John's University."

The residential college will follow a similar model to that established for Green College at UBC, which opened in the fall of 1993.

"With interdisciplinarity as the theme

for Green College, and internationalism for St. John's College, the two graduate colleges will have different but complementary focuses," said Grace.

"As in Green College, a small number of places will be reserved for post-doctoral fellows, other more senior scholars, and visitors. In total, it is expected that there will be approximately 110 resident members of St. John's College, slightly more than Green College. In addition, involvement of some non-resident faculty and community members will be actively encouraged."

Admission to St. John's College will be based not only on academic merit, but will also be mindful of the need to achieve an excellent balance of students by nationality, gender, ethnic origin, religion and academic discipline. A principal will be chosen to lead the college, while the members of the college will play a major role in its governance, said Grace.

"The aim is to create a true international community in which students from different parts of the world will learn from each other in a collegial setting."

## Grad student research funding outpaced by enrolment: Dean

by Abe Heffer

Staff writer

UBC's Faculty of Graduate Studies is facing a double-edged sword as graduate student enrolment continues to climb, according to faculty Dean John Grace.

Enrolment figures for 1993/94 have passed the 6,400 mark, as of November, 1993, with almost 4,300 master's students and more than 2,100 doctoral students. That represents an increase of more than seven per cent over last year's total enrolment figure.

Since 1988-89, UBC's graduate student enrolment has increased by approximately 54 per cent.

Grace says this increase is consistent with the university's mission and efforts to increase the level of research activity at UBC. However, he says the expanding enrolment puts a strain on all services involved, both in his office and in respective departments. In addition, research funding has not kept pace, in real terms,

with increasing graduate numbers, according to Grace.

"Given that much of the increase in research funding does not generally pay for graduate students; and that support from research sources for graduate students is not evenly distributed across disciplines, the research funding needs of graduate students are not being adequately met," said Grace.

"This is one of the most pressing issues facing the faculty today."

Another of Grace's main concerns is the length of time students take to complete both master's and doctoral programs. On average, graduate students are taking about a year longer to complete their degrees than they did 20 years ago.

The faculty, together with a number of departments, is trying to take steps to ensure that students finish their programs faster. This could lead to a levelling off of enrolment figures, said Grace.



# THE UNIVERSITY OF BRITISH COLUMBIA

## POLICY ON INTERNAL AUDIT & POLICY ON SAFETY

### Draft Revisions

#### **POLICY ON INTERNAL AUDIT**

**RESPONSIBLE VICE PRESIDENT:**  
President

**PURPOSE:**  
To define the purpose, authority and responsibility of the Internal Audit Department.

**POLICY:**  
The purpose of the Internal Audit Department is to assist University administrators and the Board of Governors in discharging their fiduciary responsibilities.

The Director of Internal Audit is authorized to perform independent, objective and continuous reviews of the University's operational and financial control systems, as well as the quality of performance in carrying out administrative responsibilities.

The University supports the independence and access of the Internal Audit Department. Vice Presidents are responsible for ensuring that appropriate actions are taken to address audit recommendations.

**PROCEDURE SUMMARY:**  
All University administrative activities may be reviewed at appropriate intervals and the scope of internal audits may include:

- compliance with University policies, plans and procedures, as well as relevant laws and regulations;
- effectiveness of all levels of internal control systems including new,

- computerized systems;
- effectiveness of management actions to correct internal control deficiencies;
- protection of University assets, including security of data;
- authorization of transactions and integrity of financial records and reports;
- consistency of operations or programs with the overall University mission;
- special examinations of suspected illegal transactions, fraud or financial conflict of interest;
- cost-savings audits to ensure economical, efficient and effective use of University resources.

While the Internal Audit Department is an integral department of the University, and functions according to policies established by senior administrators and the Board of Governors, independence is essential. To support independence of the audit function and to ensure adequate consideration of audit recommendations:

- The Director of Internal Audit reports to the President and has direct access to the Chair of the Audit Committee of the Board of Governors. As well, he/she reports administratively to the Vice President Administration & Finance.
- The appointment of the Director of Internal Audit cannot be changed, except for cause, or with concurrence of the Audit Committee.
- Copies of audit reports are sent to

THE UNIVERSITY OF BRITISH COLUMBIA

February 24, 1994

Dear Colleagues:

At the initiative of the Audit Committee of the Board of Governors, Policy # 111 has been revised to reflect a direct reporting relationship of the Director of Internal Audit to the President and the scope of responsibility of the unit.

Please provide any comments you have about the draft to Libby Nason, Vice Provost.

Yours sincerely,  
*David W. Strangway*  
David W. Strangway  
President

- senior University administrators, the Chair of the Audit Committee and the Office of the Auditor General.
- The Director of the Internal Audit Department is authorized to have unrestricted access to all University records, systems, property and personnel.
- Staff of the Internal Audit Department do not perform line duties in any area which has been or could be subject to their review.
- Staff of the Internal Audit Department do not assert direct authority over activities reviewed. The performance

- of such reviews does not relieve line administrators from assigned responsibilities.
- Vice Presidents are responsible for ensuring that appropriate actions are taken to address audit recommendations.

**DETAILED PROCEDURES:**  
Please consult the Internal Audit Department.

**DEFINITIONS:**  
None

#### **POLICY ON UNIVERSITY SAFETY**

Draft revision to policy #7

**RESPONSIBLE VICE PRESIDENT:**  
Vice President Administration & Finance

**PURPOSE:**  
To articulate the University's objective of providing a safe, healthy and secure environment for all members of faculty and staff, students and visitors, and to delineate responsibility for achieving it.

**POLICY:**  
The University aims to provide a safe, healthy and secure environment in which to carry on the University's affairs. All possible preventive measures are taken to eliminate accidental injuries, occupational diseases and risks to personal security.

Compliance with the Workers' Compensation Act and related legislation is the minimum standard acceptable. All students and members of faculty and staff are encouraged to strive to exceed these minimum legal standards and to eliminate unnecessary risks.

**PROCEDURE SUMMARY:**  
**The University**  
It is the responsibility of the University acting through administrative heads of unit to:

- provide a safe, healthy and secure working environment;
- ensure regular inspections are made and take action as required to improve unsafe conditions;
- ensure that health, safety, and personal security considerations form an integral part of the design, construction, purchase and maintenance of all buildings, equipment and work processes;
- provide first aid facilities where appropriate;
- support supervisors and safety committees in the implementation of an effective health, safety and

- security program;
- ensure compliance with WCB and other applicable legislation;
- establish a department or building safety committee;
- communicate with the university community or affected groups about events or situations when potentially harmful conditions arise or are discovered;
- ensure adequate resources are available to implement appropriate procedures.

**The Supervisor**  
It is the responsibility of supervisory staff to:

- formulate specific safety rules and safe work procedures for their area of supervision;
- ensure that all employees under their supervision are aware of safety practices and follow safety procedures;
- provide training in the safe operation of equipment;
- inspect regularly their areas for hazardous conditions;
- correct promptly unsafe work practices or hazardous conditions;
- be responsive to concerns expressed about personal security and investigate any accidents or personal security incidents which have occurred in their area of responsibility;
- report any accidents or incidents involving personal security to the appropriate University authority;
- participate, if requested, on department or building safety committees.

**Individual Students and Members of Staff and Faculty**  
It is the responsibility of individual students and members of faculty and staff to:

- observe safety rules and procedures established by supervisory staff, administrative heads of unit and the University;
- be safety-conscious in all activities.

THE UNIVERSITY OF BRITISH COLUMBIA

February 24, 1994

Dear Colleagues:

A draft revision to Policy #7, University Safety, is published here for your review.

Personal security has been added as a responsibility for the University Health and Safety Committee, Department/Area/Building Safety Committees, the Department of Health, Safety and Environment and the Department of Parking and Security Services.

Please provide any comments you may have about the draft to Libby Nason, Vice Provost.

Yours sincerely,  
*David W. Strangway*  
David W. Strangway  
President

- be they work, study or recreation;
- report immediately any accident, injury, unsafe condition, insecure condition or threats to personal security to a supervisor or administrative head of unit;
- use properly and care for adequately personal protective equipment provided by the University;
- participate, if elected or appointed, on departmental or building safety committees.

**DETAILED PROCEDURES:**  
The University Health and Safety Committee works to achieve these objectives by providing education and reviewing policies and procedures.

Department/Area/Building Safety Committees carry out the safety programs within their areas and make recommendations to ensure that the safety objectives of the University can be achieved.

The Department of Health, Safety and Environment and the Department of Park-

ing and Security Services assist departments to implement and maintain effective health, safety and personal security programs, liaise with the regulatory authorities on behalf of the University and support the activities of the University's Safety Committees.

For more information, please consult with the Department of Health, Safety and Environment and/or the Department of Parking and Security Services.

**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.  
A supervisor is a person, not necessarily an administrative head of unit, who has been delegated supervisory responsibility for others working or studying at UBC.

# Calendar

## February 27 through March 12

### Sunday, Feb. 27

#### Continuing Studies Design Course

Five Sunday sessions. Sketching Vancouver's Heritage. Tony O'Regan, environmental design, U. of Calgary. Scarfe 1128 from 9am-3pm. \$185. Call 222-5203.

#### Music Concert

Collegium Musicum. Morna Edmundson, director. Chapel of the Epiphany, VST at 8pm. Call 822-3113

### Monday, Feb. 28

#### Centre for South Asian Research Seminar

Shadows Of Swastika: Historical Reflections On Hindu Communalism. Tapankumar Raychaudhuri, History, Oxford. Asian Centre 604 at 12:30pm. Call 822-3703/4359.

#### Mechanical Engineering Seminar

Computer Visualization: Tools And Techniques. John Hogg, computing coordinator. Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

#### Biochemistry/Molecular Biology Seminar

Structure And Catalytic Function In Ribonuclease P. A Ribozyme. Dr. Norman Pace, Biology, Indiana U. IRC #4 at 3:45pm. Refreshments at 3:30pm. Call 822-9871.

### Tuesday, Mar. 1

#### Oceanography Seminar

Sinking And Aggregation In Marine Phytoplankton. Dr. Anya Waite, Biology, Woods Hole, Mass. BioSciences 1465 at 11:30am. Call 822-3626.

#### Continuing Studies Lecture Series

Thinking English Canada. Philip Resnick, Political Science. Hotel Georgia York Room from 12-1:30pm. \$30; \$20 seniors. Call 222-5203.

#### Women's Studies Lecture Series

The Trials Of Eve. A Film Presentation. Pnina Granirer, Vancouver writer and artist. IRC #1 at 12:30pm. Call 822-9171.

#### Botany Seminar

Ecological Comparisons Of The Free-Living Phases Of *Mazzaella Lilacina* (Rhodophyta) In Barkley Sound, BC. Brent Phillips, MSc candidate, Botany. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

#### Law Lecture

Grand Justices And Their Role In Taiwan's Changing Society. Herbert H.P. Ma, Grand Justice Judicial Yuan, PRC. Curtis 149 from 12:30-1:30pm. Call 822-4780.

#### Lectures in Modern Chemistry

Spectroscopy And Dynamics In Slit Supersonic Jets: Watching Molecules Touch With Infrared Eyes. Dr. D. J. Nesbitt, Chemistry, U. of Colorado, Boulder. Chemistry 250 at 1pm. Refreshments at 12:40pm. Call 822-3266.

#### Oceanography Seminar

Distribution And Chemistry Of Biogenic Particulate Matter In The Central Pacific In Response To El Nino Forcing. Dr. Jim Bishop, Earth/Ocean Sciences, UVic. BioSciences 1465 at 3:30pm. Call 822-3626.

#### Statistics Seminar

Normal Linear Models With Lattice Conditional Independence Restrictions. Steen A. Andersson, Mathematics, Indiana U. Angus 413 from 4-5:30pm. Refreshments. Call 822-0570.

#### Faculty Development Seminar

Understanding Human Rights Issues—How They Affect You In The Workplace. Chair: Libby Nason, Vice-Provost and Chair. Speakers: Susan Paish, LLB, Russell and Du Moulin; Tom Patch, LLB, Member of BC Council of Human Rights. First Nations Longhouse Great Hall from 5:30-7:00pm. Appetizers at 5pm. Call 822-9149.

#### Student Forum

Speak Free: A Student Forum On Racism. Facilitated by members of the student advisory committee/Multicultural Liaison Office. Buchanan A202 from 5-7pm. Light supper included. Call 822-9583.

#### Theatre Performance

Continues to Mar. 5. Marisol by Jose Rivera. Directed by Richard Wolfe. Theatre and Film. Dorothy Somerset Studio at 8pm. All tickets \$7. Preview March 1/two for one. Call 822-2678.

### Wednesday, Mar. 2

#### Orthopaedics Grand Rounds

Acute Management Of Posterior Pelvic Injuries. Dr. R. N. Meek, chair; Dr. H. M. Broekhuysen, speaker. VGH Eye Care Centre auditorium at 7am. Call 875-4272.

#### Microbiology Seminar

The Biodiversity Problem. Dr. Geoffrey Scudder, Zoology. Wesbrook 201 from 12-1pm. Call 822-3308.

#### Faculty Association

Financial Planning Seminar. Wills And Estate Planning. Keith Farquhar, Law. In conjunction with Continuing Studies. Angus 110 at 12:30pm. Call 222-5270.

#### Rehabilitation Sciences Lectures

Changing Disabling Environments Through Participatory Research. Dr. Mary Law, McMaster U. Koerner Pavilion, lab 8, 3rd floor from 12:30-1:30pm. Call 822-7416.

Qualitative/Quantitative Research: A Paradigm Shuffle? Dr. Mary Law, McMaster U. Koerner Pavilion, T114, 3rd floor from 1:30-2:30pm. Call 822-7416.

#### Centre for Japanese Research Seminar

Exemption Systems From Anti-Monopoly Law And Other Anti-Competitive Measures In Japan: Overview/Evaluation. Koto Suzumura, Economics. Asian Centre basement music salon from 12:30-2pm. Call 822-5612.

#### French Colloquium

La Jeanne d'Arc de Barres. Anne Simpson. Buchanan Tower 799 at 2pm. Call 822-4025.

#### Applied Mathematics Colloquium

A New Genuinely Two-Dimensional Scheme For The Compressible Euler Equations. Dr. David Sidilkover, NYU. Mathematics 203 at 3:30pm. Call 822-4584.

#### Geography Colloquium

Atmospheric Aerosols And Climate. Robert Charlson, Atmospheric Science, U. of Washington. Geography 201 from 3:30-5pm. Refreshments at 3:25pm. Call 822-5612.

#### Astronomy Seminar

Is The Solar System Stable? Scott Tremaine, dir., Canadian Institute of Theoretical Astrophysics. G&A 260 at 4pm. Refreshments at 3:30pm. Call 822-2696/2267.

#### Pharmaceutical Sciences Seminar

Attention Deficit Disorder: Methylphenidate: For Better Or For Worse? Shallen Letwin, PhD student, Clinical Pharmacy. IRC #5 from 4:30-5:30pm. Call 822-4645.

#### Continuing Studies Lecture

4 consecutive Wednesday sessions. Technology And Women In History. Dianne Newell, assoc. prof., History. Family/Nutritional Sciences 40 from 7-8:30pm. \$45; \$20 seniors. Call 222-5203.

#### Continuing Studies Lecture/Panel Discussion

500 Words Or Less: An Evening With The Critics. Errol Durbach, Theatre, moderator; Barbara Crook, Vancouver Sun; Martin Millerchip, North Shore News; Colin Thomas, Georgia Straight/CBC Radio; Jerry Wasserman, English/Theatre/Film and critic, CBC Radio. Family/Nutritional Sciences 60 from 7:30-9pm. Fee of \$15 is non-refundable. Call 222-5203.

### Thursday, Mar. 3

#### International TA Workshop

Theory And Practice: Working With International Teaching Assistants. In conjunction with MLO. Faculty Club music room from 8-9:30am. Breakfast included. Call 822-9583.

#### Pharmaceutical Sciences Seminar

Pharmacodynamics Of Anticancer Agents. Dr. Lawrence Mayer, BC Cancer Agency, Medical Oncology, Laboratory Operations. IRC #4 from 11:30am-12:30pm. Call 822-4645.

#### Continuing Studies Lecture Series

Also March 10. Thinking English Canada. Philip Resnick, Political Science. Family/Nutritional Sciences 60 from 12-1:30pm. \$30; \$20 seniors. Call 222-5203.

#### Music Concert

UBC Chinese Ensemble. Alan Thrasher, director. Asian Centre at 12:30pm. Call 822-3113.

#### English Language Institute Workshop

Professional Development For Language Teachers: Teaching Pronunciation. Carr Hall Conference room from 4:30-6:30pm. \$65. Call 222-5208.

#### Physics Colloquium

Something In High Energy Expt 1 Physics. J. McKenna, Physics. Hennings 201 at 4pm. Call 822-3853.

#### Musical Evening/Discussion

Beyond Voice: A Celebration Of Sound, Spirit And Movement. Pablo Sosa, host. Exploration of cultural music and its spirituality. International House upper lounge at 7pm. Call 224-3722.

#### Continuing Studies Medical Topics Lectures

Seven consecutive Thursdays. Topics range from Gene Therapy to AIDS. Britannia Community Centre, 1001 Cotton Dr. from 7:30-9:30pm. \$50 for any three lectures. Call 222-5203 for brochure.

#### Interdisciplinary Nineteenth Century Studies Lecture

Gilbert Or Sullivan? George Rowell, Bristol U. Green College at 8pm. Call 822-4225.

#### Faculty Recital

Adele Clark, soprano; Richard Epp, piano. Music Recital Hall at 8pm. Call 822-5574.

### Friday, Mar. 4

#### Paediatrics Grand Rounds

Group A Streptococcal Infections: An Update. Dr. Michael Gerber, dir. of Paediatric Infectious Diseases, Medicine, U. of Connecticut Health Centre. GF Strong auditorium at 8:30am. Please note earlier time. Call 875-2307.

#### Health Care/Epidemiology Rounds

Stochastic Risk Assessment. Dr. Ray Copes, medical specialist, Community And Family Health, Ministry of Health. Mather Building 253 from 9-10am. Call 822-2772.

#### Occupational Hygiene Program Seminar

Air Pollution Control: Fluidized Bed Incinerators. Dean John Grace, Grad Studies, Chemical Engineering prof. Civil/Mechanical Engineering 1202 from 12:30-1:30pm. Call 822-9595.

#### Chemical Engineering Seminar

Wall Slip And Melt Fracture Of Molten Polypropylene. Igor Kazatchkov, grad student, Chemical Engineering 206 at 3:30pm. Call 822-3238.

#### Theoretical Chemistry Seminars

Compressible Fluid Flow With Reactive Processes. Duncan Napier, Chemistry 402 at 4pm. Call 822-3997.

#### English Language Institute Workshop Weekend

Managing The Language Classroom. Professional Development For Language Teachers. Carr Hall conference room Mar. 4, 6-10pm; Mar. 5, 8:30am-4:30pm. \$195. Call 222-5208. Continues Sat.

### Saturday, Mar. 5

#### Continuing Studies Lecture

Winter Flowers And Berries: Botanical Drawing. Rosemary Burnham, artist and graphic designer. Botanical Garden main garden pavilion, from 10am-3pm. \$85. Call 222-5203. Continues Sunday.

#### Faculty Women's Club Social Evening

What's The Plus In Pot Luck Plus? Evening of good fun and good food. Cecil Green main floor at 7pm. Husbands and guests welcome. Call 535-7995.

#### Vancouver Institute Lecture

The Decline Of Innocence. Prof. Richard Ericson, principal, Green College. IRC #2 at 8:15pm. Call 822-3131.

### Sunday, Mar. 6

#### Musical Concert

Vancouver Community Game Lan Society. Museum of Anthropology Great Hall from 2:30-3:30pm. Free with admission. Call 822-5087.

#### Continuing Studies Lecture

The English House And Garden Of The 17th Century. Ann Gore, lecturer and co-author of The History of English Interiors. University Golf Club from 10am-4pm. \$175. Call 222-5203.

### Monday, Mar. 7

#### Centre for Japanese Research Seminar

Asia In NAFTA: Japanese/Korean Investments In The Mexican Maquiladores. Martin Kenney, Applied Sociology, U. of Calif., Davis. Asian Centre auditorium from 12:30-2pm. Call 822-5612.

#### Applied Mathematics Colloquium

Fourier Transform Estimates For The Navier Stokes Equations. Dr. John Heywood, Mathematics. Math 203 at 3:30pm. Call 822-4584.

#### Mechanical Engineering Seminar

Aerodynamics/Dynamics Of Several Bluff Bodies With Moving-Surface Boundary-Layer Control. Sandeep Munshi, PhD student, Civil/Mechanical Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

#### Astronomy Seminar

Using The Surface-Brightness Fluctuation Method To Measure Deviations From The Hubble Flow. Alan Dressler, Carnegie Observatories. G&A 260 at 4pm. Refreshments at 3:30pm. Call 822-2696/2267.

## UBC REPORTS

### CALENDAR DEADLINES

Calendar items must be submitted on forms available from the UBC Community Relations 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 10 issue of UBC Reports — which covers the period March 13 to March 26 — is noon, March 1.



# Calendar

## February 27 through March 12

### Biochemistry/Molecular Biology

Nuclear And Cytoplasmic Protein Glycosylation Is Abundant And As Dynamic As Phosphorylation. Dr. Gerald Hart, Biochemistry/Molecular Genetics, U. of Alabama at Birmingham. Refreshments at 3:30pm. IRC #4 at 3:45pm. Call 822-9871.

### Plant Science Seminar

Biology - the high school/university interface. Joanne Melville and Jolie Mayer-Smith, VSB. Coffee and cookies supplied. MacMillan 318D, 12:30pm. Call 822-9646.

### Tuesday, Mar. 8

#### Women's Studies Lecture

Masculinity As Misogyny: An Exploration Of The Cultural Context Of Sexual Harassment. Allison Thomas, U. of East London. Buchanan B312 at 12:30pm. Call 822-9171.

#### Botany Seminar

Chlorinated Anthraquinones In Several North American Lichens. Peter Cohen, PhD candidate, Botany. BioSciences 2000 at 12:30pm. Call 822-2133.

#### Lectures in Modern Chemistry

Ab Initio Calculations Applied To Problems In Metal-Ion Chemistry. Dr. Charles Bauschlicher, NASA Ames Research Centre, Moffet Field, CA. Refreshments at 12:40pm. Chemistry 250 at 1pm. Call 822-3266.

#### Centre for Applied Ethics Colloquium

Family Values: The Principle Of Parental Autonomy. Colin MacLeod, Killam post doctoral fellow. Angus 225 from 4-5:30pm. Call 822-5139.

#### English Language Institute Workshop

Professional Development for Language Teachers. Vocabulary Building. Carr Hall conference room from 4:30-6:30pm. \$33. Call 222-5208.

### Wednesday, Mar. 9

#### Orthopaedics Grand Rounds

Interesting Case Presentations: Spine, Trauma/Reconstructive Orthopaedics. Dr. R.W. McGraw, Eye Care Centre auditorium at 7am. Call 875-4272.

#### Microbiology Seminar

Structure And Function Of The Antigen Receptor On B Lymphocytes. Linda Matsuuchi, Zoology. Westbrook 201 from 12-1pm. Call 822-3308.

#### French Lecture

Sorting Proust's Manuscripts. Prof. Anthony Pugh, U. of New Brunswick. Buchanan Tower 826 at 12:30. Call Olga Cragg at 822-2899.

#### Wednesday Noon Hour Concert

Prize Performances: National Competition Winners of the UBC School of Music. Music Recital Hall at 12:30pm. \$2. Call 822-5574.

#### Geography Colloquium

Tracer And Borehole-Based Investigations Of Alpine Glacier Hydrology. Martin Sharp, Geography, U. of Alta. Geography 201 from 3:30-5pm. Refreshments

at 3:25pm. Call 822-5612.

#### Faculty Association Financial Planning Seminar

Mutual Funds: A Private Investor's Viewpoint. Al Roselli, private investor. Angus 110 from 12:30-1:20pm. In conjunction with Continuing Studies. Call 222-5270.

#### Centre for Japanese Research Seminar

Japanese Studies In Modern China. Yun Tang, History. Asian Centre 604 from 12:30-2pm. Call 822-5612.

#### Pharmaceutical Sciences Seminar

Therapy Of Diastolic Heart Failure. Angela Lo, MSc student, Clinical Pharmacy. IRC #5 from 4:30-5:30pm. Call 822-4645.

#### Continuing Studies Lecture

Lantern Making. Carmen Rosen, member of Public Dream Society. Carr Hall conference room from 7-9:30pm. \$10. Call 222-5203.

#### Theatre Performance

Marisol by Jose Rivera. Directed by Richard Wolfe. Theatre and Film. To Mar. 12 at Dorothy Somerset Studio at 8pm. All tickets \$7. Call 822-2678.

#### Theatre Performance

Loves Labours Lost, William Shakespeare. Directed by Neil Freeman. To Mar. 19 at Frederic Wood Theatre, 8pm. Tickets: weekdays adults \$12; students, seniors \$8. Weekends adults \$14; students, seniors \$10. Reservations and ticket info. call 822-2678.

### Thursday, Mar. 10

#### Centre for South Asian Research Seminar

The Crisis Of The State And Political Violence In Sri Lanka: The Case Of The JVP. G.B. Keerawilla, History, Peradeniya. Asian Centre 604 at 12:30pm. Call 822-3703/4359.

#### Opera Panel Discussion

Mozart's Don Giovanni In Context. Susan Bennett, Vancouver Opera; Floyd St. Clair, French; Andrew Busza, English. Dorothy Somerset Studio at 12:30pm. Call 822-4060.

#### Sustainable Development Research Institute Seminar

UBC's Environment Protection Program. Mark Aston, research officer, Health Safety and the Environment. Hut B5 SORT meeting room at 12:30pm. Call 822-8198.

#### Canadian Studies Lecture

The Evolution Of Citizenship. Alan C. Cairns. Buchanan B212 at 12:30. Call 822-5193.

#### Physics Colloquium

Double Layer 2D Electron Systems. J. Eisenstein, Bell Labs. Hennings 201 at 4pm. Call 822-3853.

#### English Language Institute Workshop

Professional Development For Language Teachers. Teaching Pronunciation. Carr Hall conference room from 4:30-6:30pm. \$65. Call 222-5208.

### Friday, Mar. 11

#### Paediatrics Grand Rounds

What Is Behavioural Neurology? Dr. Bruce Bjornson, Paediatrics. GF Strong auditorium at 9am. Call 875-2307.

### Health Care/Epidemiology Rounds

Moral Philosophy And Bioethics. Earl Winkler, prof., Philosophy; member Provincial Advisory Counsel on Ethical Issues in Health Care. Mather 253 from 9-10am. Call 822-2772.

#### Theoretical Chemistry Seminar

Some Historical Perspectives On Quantum Chemistry. Dr. J. Coope. Chemistry 402 at 4pm. Call 822-3997.

#### Chemistry Seminar

The Use Of Mass Spectrometry In The Analysis Of Biologically Im-

portant Compounds. Steve Fischer, Hewlett-Packard, Palo Alto, CA. Chemistry D225 at 3:30pm. Call 822-3235.

#### Occupational Hygiene Program Seminar

The Natural Gas Industry In BC: Processes And Hazards. Dr. John Sehmer, corporate medical director, Westcoast Energy. Civil/Mechanical Engineering 1202 from 12:30-1:30pm. Call 822-9595.

#### Chemical Engineering Weekly Seminar

Control Of Activated Sludge Bioreactors Treating Kraft Mill Effluent. Tanya Barr, grad student.

Chemical Engineering 206 at 3:30pm. Call 822-3238.

### Saturday, Mar. 12

#### Continuing Studies Courses

Continues Sunday. Shibori: Resist Dyeing Techniques For Fabric. D'Arcie Beytebiere, winner of Ideacomo Award 1987. Family/Nutritional Sciences 360 from 10am-4pm. \$125. Call 222-5203.

#### Vancouver Institute Lecture

The Lives Of Writers. Ms. Eleanor Wachtel, CBC, Toronto. IRC #2 at 8:15pm. Call 822-3131.

## Notices

#### Campus Tours

School and College Liaison tours provide prospective UBC students with an overview of campus activities/ faculties/services. Fridays at 9:30am. Reservations required one week in advance. Call 822-4319.

#### Disability Resource Centre

The centre provides consultation and information for faculty members with students with disabilities. Guidebooks/services for students and faculty available. Call 822-5844.

#### Duplicate Bridge

Informal game open to the public. \$2 fee includes refreshments. Wednesdays at the Faculty Club. Play begins at 7:30pm. Singles welcome but should arrive early to arrange partnerships. Call Steve Rettig at 822-4865.

#### Sexual Harassment Office

Advisors are available to discuss questions or concerns and are prepared to help any member of the UBC community who is being sexually harassed find a satisfactory resolution. Call 822-6353.

#### Student Housing

The off-campus housing listing service offered by the UBC Housing Office has been discontinued.

A new service offered by the AMS has been established to provide a housing listing service for both students and landlords. This new service utilizes a computer voice messaging system. Students call 822-9844, landlords call 822-9847.

#### The Human Sexual Response

A Psychology Dept. study directed toward physiological arousal in women. Volunteers must be between 18-45 and heterosexual. Honorarium. Call 822-2998.

#### Clinical Research Support Group

Faculty of Medicine data analysts supporting clinical research. To arrange a consultation, call Laurel at 822-4530.

#### Psychology Cognition/ Emotion Study

Seeking participants ages 21-60 for studies exploring the cognitive effects of emotions. Participation involves three 90-minute sessions spread over 1-2 weeks. Honorarium of \$30. Call Dawn Layzell/ Dr. Eric Eich at 822-2022.

#### Drug Inter-Action Study

Volunteers at least 18 years required for participation in Pharmacology/Therapeutics study. Eligibility screening by appoint-

ment. Honorarium upon completion of study. Call 822-4270.

#### Statistical Consulting/ Research Laboratory

SCARL is operated by the Dept. of Statistics to provide statistical advice to faculty/graduate students working on research problems. Call 822-4037.

#### Women Students' Office

Advocacy/personal counselling services available. Call 822-2415.

#### Surplus Equipment Recycling Facility (SERF)

Disposal of all surplus items. Every Wednesday, 12-5pm. Task Force Bldg., 2352 Health Sciences Mall. Call Vince at 822-2582/Rich at 822-2813.

#### Badminton Club

Faculty/staff are welcome to join in the fun at the Robert Osborne Centre-Gym A, on Fridays now through Mar. from 6:30-8:30pm. Cost is \$15, plus library card. Call John at 822-6933.

#### Nitobe Garden

Open weekdays only from 10am-3pm. Call 822-6038.

#### Botanical Garden

Open daily from 11-5pm. Shop In The Garden. Call 822-4529.

## Program to treat very obese women

by Abe Heffer

Staff writer

Very obese women tend to suffer from psychological problems that may contribute to their obesity, according to initial clinical research by a UBC doctoral candidate.

"It is apparent from my clinical work with these women that they can suffer from depression, anxiety and diminished self-esteem," said Sheryl Tanco. "This is in contrast to overall findings that, in the general population, morbidly obese women do not suffer from elevated levels of psychological distress."

Although definitions vary, morbid obesity has been defined as double one's normal body weight.

While doing a practicum in the Dept. of Psychology at University Hospital, Shaughnessy site, Tanco worked with 15 women referred for psychological treatment for morbid obesity.

She conducted a program which encouraged the women to

discuss their feelings of self-worth in a group setting, with relaxation exercises and some form of physical exercise, usually walking, as an integral part of the program.

"We tried to help these women get in touch with their own bodily cues so that they could differentiate between physical hunger and emotional hunger," she added.

Psychological testing done before and after the program indicated the treatment was effective in reducing psychological distress. Weight loss was a secondary consideration. Tanco says in order to completely evaluate the effectiveness of the program, both the psychological and physiological components will now be fully measured in a controlled study of morbidly obese women.

Tanco and UBC Psychology Prof. Wolfgang Linden are looking for women, aged 19 and older, who have had a significant weight problem for at least 10 years, and who are not prevented from

exercising for medical reasons.

"We are not looking for women who are a few pounds overweight," stressed Linden. "We are looking for women who are severely overweight, especially those who may be binge eaters."

One group of women will undergo the treatment established at the Shaughnessy site while another will focus on a well-established program of diet and exercise.

Volunteers will be expected to complete pre- and post-treatment assessments and attend an eight-week group program, for two hours per week, at UBC. They will have to spend an hour a day doing program-related activities on their own, which may include exercise or homework assignments. Volunteers will be expected to answer questionnaires on a regular basis for up to one year after completing the eight-week program.

For more information on this study, call Trina McLure in the Psychology Dept. at 822-3800.



# THE UNIVERSITY OF BRITISH COLUMBIA

## ANNUAL GRADUATE STUDENT TUITION

Draft February 14, 1994



THE UNIVERSITY OF BRITISH COLUMBIA

February 24, 1994

Dear Colleagues:

A draft of the Annual Graduate Student Tuition proposal is published here for your review. Please send any comments you may have on this proposal to my office by Feb. 28 so that we may consider them before the next Board of Governors meeting.

Yours sincerely,

David W. Strangway  
President

## Annual Graduate Student Tuition

At UBC we have a system of graduate tuition that is based on a program fee. This fee is assessed in equal increments over the expected duration of the program (typically two years for Master's degrees and three years for a Ph.D.). If the student's program lasts longer than this, they are assessed an annual re-registration fee that is about half this rate.

### Master's

|                     |             |
|---------------------|-------------|
| <b>Year 1</b>       | \$2,027     |
| <b>Year 2</b>       | \$2,027     |
| <b>Post-program</b> | \$1,084/yr. |
| <b>Ph.D.</b>        |             |
| <b>Year 1</b>       | \$2,027     |
| <b>Year 2</b>       | \$2,027     |
| <b>Year 3</b>       | \$1,882     |
| <b>Post-program</b> | \$1,084/yr. |

This proposal suggests that we move away from a program fee basis, followed by a reduced post-program fee and establish a simple annual fee. This has many advantages. First, it provides an increased incentive to completing the graduate program in as efficient a way as possible. Secondly, it will provide additional revenue to the university. Some students in their graduate programs reduce their actual work on their degree to

a part-time basis. It would therefore be necessary to have a very clear definition of full or part-time progress toward degree completion. Given this definition, the concept of an annual tuition for graduate students is a common approach taken by public universities in Canada and the U.S. It is suggested that this program would start in the fall of 1996. Most current students will thus complete their program under the present rules. All new students would fall under the new rules and adequate notice would be provided to all students in any event.

The additional revenue would be added to the University Graduate Fellowship (UGF) fund. This could generate up to \$1.8M/year. This money would then be used for fellowships to attract and retain the very best students in every discipline. It would:

- reinforce excellence in student selection
- reduce unnecessary extension of graduate programs
- give fairer distribution of support for students in all parts of the university.

An early draft of the proposal has been presented to the Senate Academic Policy Committee. They have struck a committee chaired by Dean Grace to consider the academic implications. Further drafts will be circulated to Deans and Heads for comment and published in UBC Reports for full campus comment.

After this level of consultation we will plan to bring forward a proposal for consideration by the Board at its March meeting.

## Fees for part-time Graduate Master's Students

In November 1993, President Strangway sought input and advice from your Senate Academic Policy Committee with respect to a proposal entitled "Annual Graduate Student Tuition." The essence of the proposal was to establish a fee system (which is common in many universities) in which graduate students pay a full annual tuition for each year

they are registered towards a degree. This was discussed by the Academic Policy Committee at its meeting on November 29, 1993. At that time, concern was raised regarding the possibility such a change would act as a barrier to part-time Master's students.

A sub-committee was struck to look at

this question. A copy of a report from that sub-committee, chaired by John Grace, was discussed and approved at the January 17th, 1994 meeting of the Senate Academic Policy Committee. Since fees are decided by the Board of Governors rather than the Senate and, since the report was advice to the President, we are providing a copy of the Academic Policy Committee's advice to the Senate for information, rather than for a debate and adoption. Note that the advice, if adopted by the Board, would lead to some significant changes in the way that part-time Master's students are defined for fee purposes.

- Senate Academic Policy Committee

### Sub-Committee Report

#### Fees for Part-time Graduate Students

UBC allows graduate students in most Master's programs to pursue their studies by either full-time or part-time study. This permits students with full-time jobs, family responsibilities, or special circumstances to undertake or continue graduate programs at a slower pace than would be possible if they were to be full-time students.

There are currently two quite different methods by which graduate students can be considered to be part-time:

- For official B.C. government counting purposes (used to calculate FTE head counts), all doctoral students are considered full-time. Master's students are considered full-time when registered in a thesis or when taking two or more courses exclusive of a thesis. Part-time Master's students are defined as those taking only one course, exclusive of a thesis.
- For fee purposes, Master's students are considered to be part-time if they elect Schedule B. This Schedule allows them to pay fees at a lower rate on the expectation that they will proceed at a slower rate and will not make full use of university facilities. They are then not eligible for scholarships, TAs and student housing. The minimum program (i.e. cumulative) fee paid by those on Schedule B is greater than that under Schedule A.

The current fee schedules for Master's students have been finely balanced in an effort to provide equity between them and to discourage whole-scale transfers back and forth. The Registrar's Office finds the current system relatively easy to administer. While the possibility of a credit-based fee system for graduate students (as practiced at a number of other universities) was discussed by the subcommittees, such a system would be difficult to devise in a fair manner at UBC. In seeking to allow fairly for part-time students within a system where continuing fees no longer are considerably less than fees in the early stages at present,<sup>2</sup> it seems important: (i) to define part-time status more clearly, if possible introducing greater congruence between (a) and (b) above; (ii) to modify the current fee schedule system rather than propose a major change.

### Proposed Definition of Part-time Graduate Student

For purposes of fee assessment, a graduate student would be defined as being part-time in any 4-month period if

she/he satisfies both of the following criteria:

- The student is registered in a Master's program that allows part-time study.<sup>3</sup>
- The student has signed a declaration, to be countersigned by a department head or graduate advisor, specifying that he/she:
  - is working in paid employment more than twelve hours a week or has heavy family (e.g. parental) responsibilities or has other special circumstance (e.g. health factors) which restrict the time available for study;
  - understands that the maximum time allowed for the program (B4 on page 160 of Calendar) applies to part-time as well as full-time students';
  - understands that she/he is not eligible for scholarships, teaching assistantships, research assistantships or student housing while part-time;
  - will not have assigned desk space at the university.

### Proposed Fee Schedule

The fee for a part-time student would be 60% of the corresponding fee for a full-time student in the corresponding period.<sup>4</sup> The minimum program fee would be set at three installments (one year) of full-time fees, for any student who is only full-time and would be equivalent to six installments (two years) of part-time study.<sup>5</sup> The corresponding minimum fees should be published in the Calendar each year. Continuing fees and extension fees would be at the same level as first year fees (full- or part-time).

To illustrate the new fee schedule, consider several cases, assuming that the base (full-time) fee of \$2027 were to remain in place. (See Table 1.)

Note that full-time students would pay the same as currently if they finished two years or less, while paying substantially more if continuing beyond this. Genuine part-time students would pay slightly more than at present (at most 4.6% more), with the increase in their fees protected because they make limited use of university facilities. The minimum program fee would be appreciably lower, however, for part-time students.

Under the proposed scheme, there would be no Schedule A or B and no separate continuing extension fee; instead all graduate students would pay a full-time, part-time or on-leave fee for all terms from initial registration until graduation or abandoning the program. The resulting system would be somewhat simpler than at present.

The sub-committee recognizes that this definition will be unlikely to be significantly more congruent with the method of counting for government purposes than the current fee scheme. It favours finding a means of giving credit to the major essay required in programs without thesis (currently awarded 0 credits in most cases) as a means of ensuring that UBC is credited with the work to supervise and mark these students and to properly recognize considerable effort on the part of the students on their major essays.

Finally, the President's Annual Graduate Student Tuition proposal would be improved in that genuine





# THE UNIVERSITY OF BRITISH COLUMBIA

## ANNUAL GRADUATE STUDENT TUITION

**Table 1**

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Fees              | (Now)               |
|--------|--------|--------|--------|--------|--------|-------------------|---------------------|
| FT     | -      | -      | -      | -      | -      | 20276             | (2027)              |
| FT     | FT     | -      | -      | -      | -      | 4054              | (4054)              |
| FT     | FT     | FT     | FT     | -      | -      | 8108              | (6222)              |
| FT     | FT     | FT     | FT     | FT     | FT     | 12162             | (8827)              |
| PT     | PT     | -      | -      | -      | -      | 2432 <sup>6</sup> | (3489)              |
| PT     | PT     | PT     | PT     | -      | -      | 4826              | (4652)              |
| PT     | PT     | PT     | PT     | PT     | PT     | 7297              | (7257)              |
| FT     | PT     | PT     | -      | -      | -      | 4459              | (4353) <sup>7</sup> |
| FT     | FT     | PT     | PT     | -      | -      | 6489              | (6380) <sup>7</sup> |
| FT     | PT     | PT     | PT     | PT     | -      | 6892              | (6600) <sup>7</sup> |

part-time students would not be unduly financially punished for extending their studies beyond 4 years. The proposed more stringent conditions for registering in any year as a part-time student are needed to prevent abuses in registration by those who are really full-time but wish to take advantage of lower part-time fees.

### NOTES

1 The number of credits in Master's programs ranges from 30 to over 100. In addition, there are many 0-credit thesis-like project/essay courses

- 2 Current Schedule A fees drop after 2 years from \$2027 to \$1163 and then to \$1084 in a fifth year. For Schedule B, the current fee level is \$1163 per year for 4 years and then \$1084 in a 5th year. All students on an extension (6th or 7th year) currently pay \$1521 per year, while those on leave pay \$239 per year.
- 3 Those that do not allow part-time study (Calendar, page 160) are currently Chemistry, Combined M.B.A./LL.B., Community and Regional Planning, Creative Writing, Engineering Physics, Family Studies, Fine Arts (M.F.A.), Human Nutrition, Library and Archival Studies,

Neuroscience, Oceanography, Pathology, Physics, Physiology, and Surgery.

- 4 This is essentially the current ratio in years 1 and 2.
- 5 The minimum program fee for full-time students would be the same as at present, whereas the Schedule B minimum fee is currently equivalent to nine installments.
- 6 Minimum program or cumulative fee.
- 7 Assumes that student would have been permitted to switch from Schedule A to B.



# THE UNIVERSITY OF BRITISH COLUMBIA

## A Plan For An Additional Quota Of Full Cost International Students



THE UNIVERSITY OF BRITISH COLUMBIA

February 24, 1994

Dear Colleagues:

A draft plan for an additional quota of full cost international students is published here for your review. Please send any comments you may have on this proposal to my office by Feb. 28 so that we may consider them before the next Board of Governors meeting.

Yours sincerely,

David W. Strangway  
President

At the present time, Canadian universities have very mixed policies towards international students. It is generally a university objective to encourage international student enrolment both at undergraduate and graduate levels, but with due respect to the needs of the local community. At UBC, at the present time, we have a tuition differential of 2.5 times the domestic tuition for international undergraduate students. We have no differential fee at the graduate level, either for those seeking professional degrees or those seeking research degrees. In particular, resident tuition rates for research degree candidates have been a matter of policy since we wish to attract the best research students from around the world and to encourage reciprocal opportunities for B.C. students.

State universities in the United States have large differential fees for international students. In fact, they also have large differential fees for out-of-state students. In the publicly funded universities of Australia, the government provides funding for a specific quota of students. The universities are then encouraged to take in an extra cohort of international students on a full fee basis. This "extra" cohort of full fee paying international students is limited to 10 per cent of the

funded starting base. Private universities in many countries, of course, charge full cost tuition to both domestic and international students.

Circumstances in British Columbia today are very similar to those in Australia (or for that matter the public universities in the United States and the British universities in that student places are funded by government on a quota basis). The government, as a matter of public policy, is now funding us to enrol a specific quota of 54,602 weighted full-time equivalent students (WFTE). Each of these units is funded at \$4,824 in 1993/94. The Duprè Report confirmed this as the quota established by the province. All Continuing Education activities are now, by policy, on a full cost recovery basis (income-generating in some cases).

At the present time, we have enrolled 61,324 WFTE, so that we are carrying 6,722 unfunded WFTE. This represents 32 per cent of unfunded places or approximately 12 per cent over our quota. If we assume that it is impossible to manage our enrolments precisely so that there should be a plus/minus five per cent corridor, we would be even well beyond the upper limit of 57,332 plus/minus five per cent. (There is no formal agreement to plus/minus five per cent as a corridor,

but this provides reasonable limits.) There is no question of our obligation to British Columbia students; government has defined this obligation. It has established the above quota, as a matter of public policy, and funded it. We are already carrying out far more than the obligation expected of us.

At present, three per cent of our undergraduate students are on student visas. The target set in our strategic plan is four to six per cent. At present, these students pay 2.5 times the domestic student fee with exceptions made for students who are here as "residents" (e.g. diplomats) or where there is a formal reciprocal agreement with a university or with an appropriate government agency.

This memo proposes that each faculty be permitted to enrol a total quota of 15 per cent of international students. This quota would be applied to a) undergraduate students on a faculty-by-faculty basis and b) professional graduate degree programs that are not research-based (e.g. MBA, M.Ed., M.Eng., Pharm.D. programs), also on a faculty-by-faculty basis. A portion of the international students would be given a scholarship equivalent to a tuition waiver. These waivers would be available to students in those categories which we use at present — e.g. explicit exchange agreements; outstanding scholars for whom this would be a form of scholarship; etc. This classification needs to be worked out very carefully. A committee will be struck to establish clear and consistent criteria for these who would be treated as domestic students. The remaining students (totaling approximately two-thirds of the 15 per cent) would be required to pay full tuition. This is equivalent to an additional full cost international student quota of 10 per cent, such as that specifically approved at Australian universities. International graduate students seeking research degrees, as at present, would pay the same tuition as domestic students and, hence, would not be limited by any quota.

Because of the perception that wealthy international students could "buy" their way in, several explicit conditions need to be met: a) because of provincial funding and quota policy, we cannot take more unfunded students without further diluting the quality of what we offer; b) the 10 per cent of full fee paying international students would be enrolled over and above the

provincially funded quota so there is no displacement of B.C. (or of Canadian) students; c) no student will be admitted who does not have academic standards at least as high as those of domestic students admitted to that same program; d) these students would otherwise be treated exactly the same as other students with no differences in service or in expectation and would receive standard UBC degrees; e) all student admissions would be handled in the standard way by the Registrar or the Faculty of Graduate Studies; f) a mechanism needs to be established by which the needed services are purchased from the appropriate faculty or support unit (e.g. Registrar, Student Services, Graduate Studies, etc.); and g) other additional operating costs outside the faculties need to be covered.

The determination of the full cost recovery basis is best done by using the existing formula. This formula determines the basis on which Government funds us. The basic funding unit is \$4,824. This is then multiplied by the weighting for the academic level program (this ranges from 1 for first- and second-year Arts students to 8 for medical students) plus the domestic tuition. At present, the support provided to the faculties is approximately 30 per cent of the total General Purpose Operating Fund (GPOF) while the direct faculty expenditure is 70 per cent of the total. It would, therefore, be the plan to split this revenue roughly on the basis of 30/70 for services to be provided by the university to this cohort of students. If all faculties were to add this extra cohort of full fee-paying international students, it is possible that about \$20 million can be realized. Seventy per cent of the extra amount brought in would go to the faculty which raised its enrolment in this way above the base level for use by that faculty in delivering services to students. A method of sharing the costs imposed on other faculties because of courses taken in that faculty would have to be incorporated. Of course, accountability considerations would require budgets to support this split, in view of the fact that some of these would be marginal costs. This additional support to the faculties would be independent of and additional to the General Purpose Operating Fund grant to that faculty and would not be a consideration in determining the GPOF to the faculty.

This program, if approved, would be available to faculties at their own pace and starting as soon as 1994/95.

## Letters

### Director's letter disheartening

**Editor:**

I was saddened to read the recent letter from Veronica Strong-Boag (UBC Reports, Jan. 27). I had not expected a

colleague, and one directing a centre for research, to resort exclusively to vituperative generalities in place of a reasoned rebuttal of an argument she disliked (by James Steiger).

Single-handedly, Strong-Boag has by her intemperate

response created a chilly climate for me at UBC. Convey to her my congratulations.

If she takes satisfaction from my own response, more is the pity.

**John Wilson Foster**  
Professor, English Dept.

### Condemnation of faculty study a sexist act

**Editor:**

I was deeply disturbed by the article written by James Steiger (UBC Reports, Jan. 13).

In his article Steiger condemns Florence Ledwitz-Rigby's study because she didn't include the views of men. Any student who has taken an introductory course on research methodology knows that a study's methodology should be evaluated in terms of its purpose. As the purpose of the Ledwitz-Rigby study was to evaluate the views of women, criticizing it for not including men is like condemning a study on bovine foot rot because the chickens were not included.

Steiger also finds fault with the study because Dan Birch's conclusions are not empirically based, yet a few paragraphs later Steiger makes the claim that increasing numbers of women are rejecting feminism (name calling variant). Is this

an empirically based statement? I think not. It seems that what is empirically necessary for the goose is waived for the gander.

He then rants that this type of study is reverse discrimination. Until the level of female faculty exceeds that found in the general population I doubt Steiger has empirical grounds for screaming "reverse discrimination."

Steiger further raves that men's tolerance has given rise to a situation that now borders on anti-male abuse. Gee and I thought it was women who got raped not men, and women who got battered by their spouses, not men. What is this "anti-male abuse?" Does Steiger really think that compared to rapes and beatings, women asking for fair representation at the university is abusive?

Throughout his diatribe Steiger is most distressed by the "asymmetric approach" of the study. No doubt he would have deemed a similar study of all faculty as fair and not in need of comment. That the study would reflect a predomi-

nantly male view drowning out any concerns of female faculty would, according to Steiger, be symmetric. It becomes obvious that his concern is not asymmetric studies per se but asymmetric studies in one particular direction.

By condemning a study which purports to elucidate women's experience in academia in the name of asymmetry is to commit an incredibly sexist act: denying women their voice. More disturbing, however, was that Steiger went into the classroom and vented his personal sexist opinions thinly disguised as a class on "research methodology." A teaching position is one of responsibility and to take one's personal opinions and present them as something they are not (i.e., research critique) is irresponsible and an abuse of that position. Should a man who exhibits such blatant irresponsibility in the classroom coupled with a lack of understanding of the fundamentals in research methodology be allowed to teach?

**Kelly Haydon**  
Vancouver

### On misologism and misandry

**Editor:**

Veronica Strong-Boag, director of the pompously titled Centre for Research (sic!) in Women's Studies and Gender Relations exhibits the misologism (hatred of reason) that reminds us of the anti-intellectualism of feminist ideology (UBC Reports, Jan. 27).

Strong-Boag evades every single argument from Prof. James Steiger and so concedes them all by evasion. In place of intellectual argument, she plays armchair psychologist and forces onto "some men" a fear whereby they are "disturbed by the threat to their long-standing privileges." Hers is an old, unoriginal cliché copied from Marxists: anyone who disagrees with you has no

honest motive and is merely "self-serving," as she puts it matronizingly.

Naturally, she gives no evidence of men's being disturbed. Not everyone who criticizes feminism is thereby disturbed. Strong-Boag invites reply in anti-intellectual kind: with similar pseudo-psychology, we can diagnose her, too, as "disturbed" by the threat that Steiger presents to Strong-Boag's own long-standing monopoly as sole director of a university centre.

With the misologism characteristic of feminism, she goes off on one tangent after another, ranting about "battering" and "wage disparity," none of which relates to Steiger's arguments.

Her misandry (hatred of men) becomes ugly when she stereotypes Steiger's rational argument as a "whine" and

hence no longer deserving of counter-argument. Even a whine can be truthful, but Strong-Boag shows no interest in truth, only personal insult.

Predictably, Strong-Boag complains (or whines) about "backlash," the self-pitying cliché that politically correct feminists must all repeat. It is supposed to be a clincher.

Well, now we finally know what that done-to-death misnomer really means: "backlash" is just argument that feminists cannot answer (and at university, the house of argument, of all places). Let us have more "backlash" and not be bluffed by this neologism. The empress has no clothes (or "research"). As a taxpayer, I ask why I must subsidize her.

**Greg Lanning**  
BA (1968), LLB (1990)  
Vancouver



**Do You Know A Grad Who Stands Out?**

UBC Reports is looking for graduates to profile as part of its coverage of spring Congregation ceremonies. We'd like to tell the stories of students who have contributed something different to the campus and who exemplify the diverse academic landscape of this university.

In the past we have highlighted graduates such as

Sally Gilbert, a world-class swimmer and a Wesbrook Scholar who used the knowledge she gained as a dietetics student to help understand the body and how it performs. We also profiled Sandra and Garfield Staats, a First Nations couple and parents of four who completed their Bachelor of Laws degree together. Let us know about graduates in your faculty or area of campus. Contact Paula Martin by phone at 822-2064 or by fax at 822-2684.

## Classified

The classified advertising rate is \$15 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 Community Relations 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 10, 1994 issue of UBC Reports is noon, March 1.

### Services

**STATISTICAL CONSULTING** PhD thesis, MSc, MA research project? I cannot do it for you but statistical data analysis, statistical consulting, and data management are my specialties. Several years experience in statistical analysis of research projects. Extensive experience with SPSS/SAS/Fortran on PCs and mainframes. Reasonable rates. Call Henry at 685-2500.

**WEST SIDE IMPORT CAR SERVICE** Repairs-Aircare-Fuel Injection-Performance Tuning. Quality import service by German Journeyman Mechanic provided at a reasonable rate. Complimentary vehicle pick-up and delivery on request. For private appointment call Klaus at 222-3488.

**DIVORCE MEDIATION** Separation is stressful—it need not be costly. Let us help you work out your co-parenting plans, support, and division of family property. Call Ed Jackson, CGA, or Marje Burdine, MEd for a free information kit. 733-9601.

### Employment

**HEAD COACH WANTED** for Kamloops Track and Field Club, with approximately 75 participants. Position is available immediately, but the club will consider applicants who can start no later than April 30th. The position finishes end of August/94. Applicant should have multi-event qualifications with good organizational and strong communication skills. Please state salary expectations. Send resumé to Box 2145, Kamloops, B.C. V2B 7K6.

### Accommodation

**SABBATICAL ACCOMMODATION** wanted: furnished house or apartment in Vancouver from August or September 1994 to June 1995, for couple with 2 children. Non-smokers, careful housekeepers. Jim Conley, Sociology Dept., Trent University, Peterborough, Ont. K9J 7B8. Tel: (705) 749-6745; E-Mail: IN% "Jconley@Trentu.ca".

### Bed & Breakfast

**GARDEN'S END** Bed and Breakfast. Enjoy your stay in Vancouver while using our self-contained cottage in Kerrisdale. No pets or smokers. \$60 single, \$15 each additional person (maximum four people). 263-7083.

### Miscellaneous

**HEALTH AND HAPPINESS** If you are longing for the health, happiness and longevity of our great grandmothers' days, please call me. I have the recipe. Pearl Clements 682-1558.

**JOURNALS FOR SALE** Canadian Agricultural Economics, Vol. 1 to 26 (76 issues); American Agricultural Economics, Vol. 29 to 60 (163 issues); Canadian Journal of Economics, 1956-1979 (100 issues). Phone Ken at 261-5962.

**PAINTINGS FROM FICTION** March exhibit at the Faculty Club. Vivid watercolours inspired by numerous works of fiction; one may be yours.



### Volunteer Vancouver

#### 7th Annual Volunteer Recognition Awards April 13, 1994

Volunteer Vancouver's Volunteer Recognition Awards celebrate the spirit of volunteerism and pay tribute to countless people and groups for their voluntary efforts.

Awards are presented in four categories: The Volunteer Vancouver Award, The Leaders of Tomorrow Awards, The Community Service Awards and The Caring Companies Awards.

The University of British Columbia is proud to sponsor the Leaders of Tomorrow Awards, which honour young people for their outstanding contributions to our community through voluntary activity. These awards recognize youth 16 years of age and under and, separately, youth over the age of 16.

For a nomination form, nomination criteria and background, contact Volunteer Vancouver at 875-9144 (phone), 875-0710 (fax), or at Volunteer Recognition Awards, Volunteer Vancouver, 301-3102 Main St., Vancouver, BC V5T 3G7.

The nomination deadline is March 5.

"Healthy Communities Through Voluntary Action"



# Forum

## The crisis in education

by Jonathan Kesselman

*(Jonathan Kesselman is a professor of Economics and director of the Centre for Research and Social Policy at UBC. This article is based on a study for the Institute for Research of Public Policy, Montreal.)*

Post-secondary education in British Columbia is facing a mounting crisis. Many high school graduates wanting to study at colleges and universities are denied admission for lack of space. Those fortunate to gain entrance face deteriorating resources with rising class sizes, reduced course offerings, program quotas and reduced library acquisitions.

Provincial grants to post-secondary education have been increasingly constrained for years and are now virtually frozen. Tuition fees have been rising rapidly, and students are facing growing burdens in financing their education, especially given the difficulty of finding adequate summer work.

Despite these depressing trends, virtually all political parties agree that a much more educated work force is essential to the success of knowledge-based industries on which the economy's future rests. Business leaders, labour groups, and public policy analysts concur in this assessment.

A key factor explaining these trends is the method that we use to finance post-secondary education. The provinces receive block grants from the federal government, and restraints on these grants have translated as reduced real funding for higher education. At the same time, tuitions cover just about 20 per cent of the total educational costs in B.C.

Even applicants who would be willing to pay more in order to obtain a higher education are turned away for lack of space. Moreover, the current methods of lending make students wary about taking on what may prove to be an unmanageable level of debt.

A major reform of university finance offers promise of overcoming the cited problems. The reform would be a substantial increase in tuition fees to cover a greater portion of the costs of providing education, combined with larger loans to students that would be repayable based on earnings over their working lives.

Such "income-contingent loans" would cover students' living expenses and increased tuitions, raised to cover the benefits from education that accrue to the individual. Public grants would be retained only for those costs that generate benefits to society.

If, for example, the private benefits of a higher education account for 60 per cent of the total costs, tuition levels would be tripled from their current levels. This would still leave tuitions far below the rates at private American universities. Tuition levels would also be geared to the cost of the study program, rising most steeply for professional studies.

Income-contingent loan (ICL) schemes have already been successfully implemented in New Zealand and Sweden. Australia instituted an ICL in 1989 under a Labour government. An ICL is a major part of the Clinton administration reforms of student loans in the U.S., and the NDP government in Ontario is setting up a pilot ICL program.

The ICL approach would both relieve governments of expenditure burdens, turning current outlays into repayable loans, and augment the financial resources for education. More students could be accepted for studies, and the

quality of educational resources also could be upgraded.

These reforms would relieve students from the fear of unmanageable debts, even when borrowing substantially more than they currently do. If borrowers found themselves without work or with lower-than-expected earnings after graduation, their repayments under an ICL would be reduced or even eliminated.

Both of these effects should increase the accessibility of a higher education. They would remove the two principal barriers to accessibility - limited student finances and the admission quotas that result from limited public funding.

Other advantages would accompany the reform. The burdens of university finance would be distributed more equitably across society. Rather than being imposed on all taxpayers, including those at lower incomes who send few children to post-secondary studies, the financial burden would be placed squarely on those who benefit most from it.

This approach might afford universities greater independence from pressures for governmental intervention into their internal affairs. If students were to pay for a greater share of their educational costs, governments would have less reason to intervene in the programs or operations of universities. Of course, students would have more inclination and financial power to influence their universities' performance.

The proposed changes might also go a long way toward introducing incentives for efficient behaviour on both the demand and supply sides of the post-secondary education industry. On the demand side, for example, students would be induced to consider more carefully how much and what kinds of education to pursue.

They would have to ask whether they should attend university at all as against a vocational training program or perhaps take a private-industry trainee position. In general, realistic tuition levels should make students demand better value for their money and apply themselves to their studies more conscientiously.

On the supply side of this market, universities would be forced to expand or contract their scale of operations based on students' demands for services. But perhaps the more important supply responses of universities would be in their structures rather than their overall sizes. To compete with other schools, each institution would have to respond in its offerings of programs, departments and faculties.

Individual institutions might choose to specialize more in areas of relative strength, thus reducing the extent of program duplication. Another likely result would be greater impetus for universities to experiment to find cost-saving ways of providing a given type of quality of educational service.

Effective administration of an ICL would probably require the use of Revenue Canada for information and enforcement. This fact, and the similar pressures for change across the country, suggest a national program rather than a provincial program.

The time is overripe for sweeping reform of the finance of post-secondary education. Many details in the design of an ICL, and changes to the structure of federal and provincial financing of post-secondary education, still need to be settled. Yet in concept there seems little other than tradition to keep reforms of these kinds from proceeding.

# People

by staff writers

**E**ducator **Verna Kirkness** is one of the first 13 recipients of the National Aboriginal Achievement Awards, to be presented Feb. 28 in a gala at the National Arts Centre in Ottawa.

Kirkness has devoted more than three decades to making education available and relevant to the philosophy and needs of First Nations people.

Until recently, she was the director of UBC's First Nations House of Learning. Before that, she headed the Native Indian Teacher Education Program in the Faculty of Education.

Created by the Canadian Native Arts Foundation, the awards recognize achievements in areas including the arts, business and social services. A 20-member jury chose the winners from 150 nominees.

The awards gala will be broadcast on CBC-TV March 3.



Kirkness

**D**r. **David Hardwick**, associate dean of Research and Planning in the Faculty of Medicine, has received the F. K. Mostofi Distinguished Service Award in recognition of his many valuable contributions to the International Academy of Pathology (IAP).

A member of the U.S./Canadian division of the academy since 1976, he was elected president of the division in 1989 and has served as president of the IAP since 1992.

Hardwick received his undergraduate education and medical degree from UBC, followed by appointments at Montreal General Hospital, Vancouver General Hospital and Children's Hospital in Los Angeles.

He served as professor and head of UBC's Dept. of Pathology for 14 years before being appointed to his present position in 1990.

**P**atricia **Plackett** has been appointed to the Faculty of Forestry as Director of the B.C. Forestry Continuing Studies Network.

Plackett has worked in forestry in the public and private sectors during the past 15 years in Canada and New Zealand. Prior to her arrival at UBC, she worked in New Zealand for 11 years as technology marketing manager at the Forest Research Institute and as director of marketing and business development for the Ministry of Forestry.

The B.C. Forestry Continuing Studies Network provides continuing education for professional and technical personnel in forest resource management in B.C. from its provincial office at UBC and five other institutions: Malaspina College, University College of the Cariboo, Selkirk College, UNBC, and Northwest Community College.



Plackett

**D**onald **Lyster**, a professor of Pharmaceutical Sciences and head of the Division of Nuclear Medicine, is the 1993 recipient of the Society of Nuclear Medicine Regional Distinguished Scientist Award.

Lyster, a UBC faculty member since 1972, was cited for developing radiopharmaceuticals for use in nuclear medicine. His research focus includes the use of labelled fatty acids and antibodies for use in nuclear cardiology and oncology.

He was presented with the award at the society's 18th annual western regional meeting in Vancouver.

## News Digest

**T**he provincial government has announced a \$5.91-million grant for the completion of the Jack Bell Research Centre at Vancouver Hospital and Health Sciences Centre.

Named in honour of a Vancouver entrepreneur and long-time benefactor of the university, the Jack Bell Research Centre was established in 1989 and is the site of numerous UBC teaching and research endeavours.

Programs in pulmonary and cardiac medicine, infectious diseases, transplant immunology and cancer biology, as well as the university's Division of Medical Microbiology and Microsurgical Laboratory, are based at the centre.

Provincial funds were provided through the government's BC 21 initiative, a strategy designed to create job and economic opportunities throughout B.C.

**M**embers of the 1994 graduating class will perpetuate a tradition almost as old as the university when they plant a Dawn redwood tree next month.

The tree planting, a lead-up to May's Congregation ceremonies, will take place in the courtyard between Buchanan buildings C, D and E at 2:30 p.m. on Monday, March 7. The Grad Class Council will host a reception following the ceremony in room 207 of the Student Union Building.

**A** plant introduced by UBC's Botanical Garden has been selected as the Ministry of Agriculture, Fisheries and Food's centennial flower for 1994.

The plant, Clematis Blue Ravine, is one of 14 introduced in the past 10 years under the garden's Plant Introduction Scheme and then sold under licence in nurseries throughout B.C. and in Europe, the U.S. and Australia.

"The Plant Introduction Scheme is a true success story that reflects the energy, talents and abilities of those in the horticulture industry," said Agriculture Minister David Zirnelt.

"Clematis Blue Ravine will be symbolic of the horticultural and agricultural achievements in this province," he said.

A hybrid discovered by an Abbotsford gardener who later gave it to UBC, Clematis Blue Ravine is a deciduous vine with large violet flowers.



## Profile



Martin Dee photo

# A Growing Practice

by Connie Filletti

Staff writer

Most of Dr. Jerry Shapiro's career has been a hair-raising experience, and he doesn't want it any other way.

The director of UBC's Hair Clinic: Research, Treatment and Transplant Centre has been helping patients from toddlers to seniors deal with hair loss since he founded the clinic in 1986.

A Montreal native, Shapiro received his undergraduate education and medical degree at McGill University before completing an internship at Hamilton's McMaster University. He developed his interest in hair loss after arriving at UBC in 1982 to do post-graduate residency training in dermatology.

His interest was encouraged by Dr. William Stewart, the head of the department at the time. It was Stewart who invited Shapiro, barely a year out of his residency program, to start the clinic which was to be the first of its kind in the country.

Shapiro recalls that in its infancy, the clinic required a half-day's work six times a year. It quickly developed into a weekly, full-day practice for him.

Shapiro estimates that the clinic sees 500 new patients every year despite a three-month waiting list. He attributes much of the clinic's success to the fact that it is the only facility in Canada which integrates medical and surgical options into its treatment program.

Another unique feature of the clinic is Shapiro's own expertise in treating alopecia areata, a type of hair loss that usually starts with one or more small, oval patches on the scalp.

The cause of alopecia areata remains

unknown. Shapiro believes that a defective immune system may produce antibodies that attack the hair follicles, interfering with their normal production of .35 millimetres per hair each day.

The disease affects one in every 1,000 Canadians and the lifetime risk of developing it rises to one in 100 by age 50. It can range in severity from partial baldness of the scalp to complete loss of hair from all parts of the body.

Shapiro said that studies indicate a high prevalence of psychiatric disorders in alopecia areata patients, the most common being anxiety and depression.

Tracing the history of the disease, first described by fifth-century Greek physician Hippocrates, Shapiro found that it was considered to be contagious as recently as a century ago. In 1860, numerous "epidemics" were reported in France. Children were excluded from school and adults were forced to stop work. It wasn't until 1940 that most dermatologists felt the condition was not infectious.

"It's a psychologically devastating disease and one that is well-hidden with wigs," said Shapiro, who treats the severest cases of alopecia areata in North America. "People who suffer from the disease are often ridiculed. It's especially difficult for adolescents to deal with."

Recognizing the patient's need for

psychological bolstering, Shapiro started B.C.'s first support group for people with hair loss problems shortly after opening the clinic. Now a patient-run group, it continues to meet at the clinic with Shapiro acting as medical advisor.

"The support group has been a wonderful experience for patients," Shapiro said. "Joining is the best thing they can do for themselves."

In addition to acting as a consultant dermatologist at several Lower Mainland hospitals from West Vancouver to Chilliwack, running four busy private practices and teaching, research remains an important and central part of Shapiro's work as

indicated by the clinic's name.

In 1991 he began treating 10 patients with diphencyprone or DPCP, an experimental drug which has been used successfully in treating alopecia areata in Europe since 1983.

In the first study of its kind in North America, Shapiro achieved cosmetically acceptable hair growth, with a noticeable improvement in the coarseness, colour and thickness of hair, in 40 per cent of the men and women who completed the study.

Each patient had greater than 50 per cent hair loss of the scalp for more than one year. The average amount of

time that had elapsed with no hair growth among the study group was 12 years. Only half of the scalp was treated, once a week during a six month period.

Last year Shapiro embarked on a larger clinical trial, treating 40 patients suffering from severe alopecia with DPCP to determine the length of treatment required for a full head of hair.

"After eight to 10 months, 35 per cent of the study group were able to abandon their wigs," Shapiro said.

He is currently collaborating with colleagues Dr. Vincent Ho and Dr. Harvey Lui from the Dept. of Dermatology and Dr. Victor Tron, from the Dept. of Pathology, investigating the potential effectiveness of cyclosporine in treating alopecia areata.

Using biopsied scalp tissue, the team hopes to gain new knowledge of the various biochemical mediators in the disease.

Along with his research endeavours, Shapiro continues to practice more traditional procedures such as hair transplants. He recently formed, with colleagues Dr. Alastair Carruthers, Dr. Stuart Maddin and Dr. Laurence Warshawski, a hair transplant group within the clinic.

Any procedures that are not covered by B.C.'s Medical Services Plan are paid for by patients privately, Shapiro explained.

"The funds not only cover the operating costs of the clinic, but we give a portion of the money to UBC for other dermatological research," he said. "It allows us to serve the community in a variety of ways."