THE UNIVERSITY OF BRITISH COLUMBIA

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Two professors join **Order of Canada**

Two professors emeritii and a pair of | UBC's major donors were among the 68 Canadians appointed to the Order of advocate Verna Splane. She was named Canada earlier this month.

Prof. Emerita Margaret Ormsby was named a member, the order's third highest rank, for her contributions to Canadian heritage.

Ormsby, who was first appointed to UBC in 1943, has been called the undisputed dovenne of B.C. history. She wrote the first history of B.C., British Columbia: A History in 1958, a work which set the standard in the field.

She retired as head of the History Dept. in 1974.

Social Work Prof. Emeritus Richard Splane was also named a member of the Order of Canada for his role in creating Canada's social safety net.

Before joining UBC in 1973, Splane had a 20-year career in Canada's public service at Health and Welfare Canada. During this time he played a central role in establishing Canada's social security system.

Splane was the chief architect of the Canada Assistance Plan, a federal-provincial cost-sharing program that helped maintain national standards for social services.



Splane

tive research with his wife, health care an officer of the Order of Canada, the second highest rank.

In recent years, he has done collabora-

A nurse known for her work in the health field as a practitioner, educator, consultant and author, Splane taught at UBC's School of Nursing for 10 years as an honorary sessional lecturer.

David Lam, the former B.C. lieutenant-governor who has made major contributions to UBC, was named an officer. Lam's gifts to the

university include funds for the David Lam Management Research Centre, the Asian Garden within the Botanical Garden, the Dorothy Lam Chair in Special Education and the David Lam Chair in Multicultural Education.

Jack Bell was appointed a member of the Order of Canada, He has made many contributions to UBC, including the Jack Bell building for the School of Social Work and to the First Nations Longhouse. He has also supported research into schizophrenia and provided funding for the Jack Bell Chair in Schizophrenia.



Ray Day

Space map charts dark matter

by Charles Ker

Staff writer

Astronomer Gregory Fahlman overlays a computer-generated map of space onto a map of the stars and starts giving directions to his would-be intergalactic traveler.

"You'd better watch out if you plan on zooming through here," Fahlman warns, pointing to a particular spot on his mass map.

The one-of-a-kind map, which could pass for any topographical map of earth, shows where invisible pockets of dense mass, otherwise known as dark matter, are in a far-away cluster of galaxies.

other but can't escape their own gravitational pull. Given that gravity bends light, Fahlman and colleagues have statistically measured how light from a galaxy behind the cluster is distorted as it passes through and around it. In effect, the cluster acts as a giant gravitational lens.

Using the Canada-France-Hawaii Telescope, Fahlman's team electronically imaged a particular cluster for three nights and looked for evidence that background objects were being lensed. From the characteristics of the lensed images, the scientists were able to deduce how the dark matter was distributed among

the shining stars within the cluster. The team calculated that the visible This sun seeker was one of many who sought a peaceful and rare sunny spot behind the Museum of Anthropology recently. Environment Canada reported that 613 mm of rain fell at Vancouver Airport from October through to the end of December. It was the second greatest precipitation measurement for those months ever.

Initiatives underway to better campus safety

by Connie Bagshaw

Staff writer

UBC is listening to your bright ideas for creating a safer campus.

"People are worried about personal safety at UBC, and inadequate lighting is a common area of concern," said Byron Hender, executive co-ordinator to the vicepresident, Student and Academic Services. "The university takes these issues seriously and we have taken several steps to address them."

cific concerns raised at "Safety on Campus," one in a series of "Your UBC" forums inaugurated last fall by the university in conjunction with the Alma Mater Society (AMS) to encourage dialogue between students and the administration.

More than 200 students, faculty and aff turned out for the forum

"The audience told us that even though

campus lighting has been improved, it

still had a long way to go," Hender said.

est attendance to date.

Measuring three million light years across, this is the largest mass map of space produced to date.

Using a long-standing technique known as gravitational lensing, Fahlman and a handful of associates are working towards calculating the mass density of the universe, more than 90 per cent of which is believed to be made up of invisible dark matter.

Calculating the mass density of the universe, the astronomy professor says, will help explain whether the universe will keep expanding forever or eventually collapse.

"Because these clusters of galaxies are the largest masses in the universe, are made of the same stuff as the universe. and because we have an understanding of how these clusters form, they represent a legitimate sample of the universe as a whole," says Fahlman.

Fahlman explains that the galaxies within the cluster move rapidly amongst each light comes from only one per cent of the cluster's entire mass. The distortions seen through the telescope could only have been caused by the gravitational pull from dark matter making up the remaining 99 per cent of the cluster's mass densitv.

"It's a little like taking glasses to an optometrist," says Fahlman. "He can take the image he sees through the lens and deduce all the important characteristics about it. We're able to take distortions we've measured and reconstruct how the matter or mass must be distributed in that lens to produce the pattern we see in a sizeable chunk of space."

Despite its dimension of three million light years, Fahlman's map represents only one-sixteenth of one-forty-fourthousandth of the sky.

Still, the Canada-France-Hawaii Telescope team is doing the most advanced work anywhere in the field of weak See SPACE Page 2

The initiatives directly respond to spe-

Inside

Walking Wonder **Travelling** Table Offbeat: It has crossed a continent but crossing campus took longer **Streamlining Service** Campus works: The Bookstore does it well and then tries to do it better

Wild Wisdom 12 Profile: Fred Bunnell sees the forest for more than the trees

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The Platonic Beast just keeps going and going and going

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3

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Safety

Continued from Page 1

"They suggested that burnt-out light bulbs had to be replaced faster and they wanted to know of a way to report them."

In December, Plant Operations staff swept the campus looking for and replacing burnt-out exterior light bulbs, and reports can now be made to a new e-mail address lightsout@plantops.ubc.ca established by Plant Operations on Jan. 14.

Plant Operations will normally replace the light bulbs within two weeks.

The university also plans to expedite the installation of more external lighting on campus, citing a proposed night audit of

Space

Continued from Page 1

lensing, an application which statistically measures distortions of light at the outer edges of a cluster. Unlike at the centre of the cluster where distortions are easily discernible, background light farther from the cluster's core is weakly lensed and distortions can only be measured statistically.

Fahlman and his associates wrote the first detailed account in December 1994 of how weak lensing provides valid information about large-scale structures, such as clusters, in the universe.

Their current study, due out in the March issue of *The Astrophysical Journal*, not only maps the largest area yet, but also includes corroborating data from X-ray analysis of the cluster. According to Fahlman, such groupings of galaxies emit Xrays from hot gas up to 10 million degrees Celsius. The X-rays, though not as reliable as lensing, provide an alternate way of tracing the mass density of clusters.



campus this spring with students and relevant campus units to identify outstanding problem areas.

Additional concerns which emerged at the campus safety forum dealt with UBC's security bus service and accessibility to information about crime on campus, he said.

"The audience felt that the existing security bus service was great but that more buses were needed. The university has responded by funding a second bus which will operate on a trial basis five days a week from 6 p.m. to 2 a.m. until the end of term."

The bus will circuit the campus every 30 minutes with stops at 14 points.

Forum participants also expressed uneasiness with having to rely on rumour instead of fact when trying to find out about alleged incidents such as assaults, break-ins and thefts occurring at UBC.

The university's Personal Security Advisory Committee is currently investigating how to provide the campus community with better information about such events reported to Parking and Security Services and the university detachment of the RCMP.

"Several campus units are working co-operatively to ask how the university can increase safety on campus and we're doing it," Hender said.

He noted that the administration has also contributed funds to Main Library to hire additional safety monitors, and to the AMS which needs flashlights for its SafeWalk program volunteers.

THE UNIVERSITY OF BRITISH COLUMBIA **Faculty of Arts Dean**

The University of British Columbia invites nominations and applications for the position of Dean of the Faculty of Arts. The appointment will take effect July 1, 1996 or as soon thereafter as possible.

The Faculty of Arts includes more than 450 full-time faculty members in 16 departments and three schools covering the Creative and Performing Arts, the Humanities, Social Sciences, and the professional fields of Library, Archival and Information Studies, and Social Work. Programs of study at the bachelor's, master's and PhD levels are offered to almost 9,000 students. Operating budget is about \$42.5 million.

The University seeks a candidate with a recognized reputation in one of the disciplines represented in the Faculty, dedication to good teaching, and successful administrative experience. The Dean is expected to provide the leadership for the faculty in its pursuit of excellence, and to play a constructive role in the general academic direction of the University.

The University is concerned about the under-representation in administration of women, aboriginal people, visible minorities and persons with disabilities and welcomes all qualified applicants especially members of these designated employment equity groups.

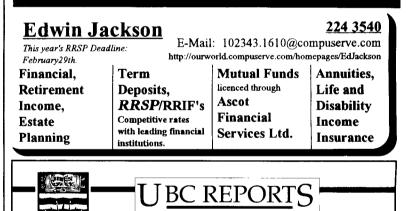
Applicants should write and send a curriculum vitae and the names and addresses of at least three references to Dr. Daniel R. Birch, Vice-President Academic and Provost, The University of British Columbia, 6328 Memorial Road, Vancouver, British Columbia, V6T 1Z2. Applications and nominations are welcome until March 22, 1996, or until an appointment is concluded.

In accordance with Canadian Immigration requirements this advertisement is directed to Canadian citizens and permanent residents.

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Former PM, Nobel laureate among Institute speakers

and political columnist Lysiane Gagnon are among the speakers participating in the Vancouver Institute spring lecture series at the University of British Columbia Jan. 27 to March 30. Lecture topics range from health care reform to endangered languages.

The series kicks off Jan. 27 with Dr. Fraser Mustard's talk, "Prosperity or Decline: Canada's Choice."

Dr. Mustard spent 16 years at McMaster University as a medical scientist and educator prior to creating the Canadian Institute for Advanced Research (CIAR) in 1982. CIAR is a research network that studies complex problems in the sciences and social sciences. The institute involves over 200 researchers from Canada, the U.S., Europe, Israel and Japan studying such diverse topics as cosmology, evolution biology, and the determinants of economic growth.

Other series speakers and topics include:

Feb. 3: Prof. Robert Evans, "Healthy, Wealthy and Cunning? Profit and Loss from Health Care Reform"

- Former Prime Minister Kim Campbell | Feb. 10: Lysiane Gagnon, "Between Two Referendums: The Future of Quebec and Canada"
 - Feb. 17: UBC linguist Patricia Shaw, "The Sounds of Silence: Endangered Languages"
 - Feb. 24: Nobel Prize winner Roald Hoffmann, "One Culture: What Art and Science Have in Common (and How They Differ)'
 - March 2: The Rt. Honorable A. Kim Campbell, "What's a Nice Country Like Like Us Doing in a Place Like This?
 - March 9: Harvard economist Jeffrey Williamson, "Dealing with the Challenge of Globalization: The Long View"
 - March 16: Prof. Stewart Clegg, "The Rhythm of the Saints"
 - March 23: Prof. Timothy Johns, "Myrrh, Medicine and Masai in the Land of Milk and Honey"
 - March 30: Oceanographer Paul Falkowski, "Phytoplankton, Oil Futures and Global Climate Change"

The free public lectures take place at 8:15 p.m. in Lecture Hall 2 of the Woodward Instructional Resources Centre at 2194 Health Sciences Mall.

Campus input to HR review welcomed

A Human Resources Review Committee has been convened to manage a review of the Human Resources Dept. All service units reporting to the vice-president, Administration and Finance, undergo regular reviews.

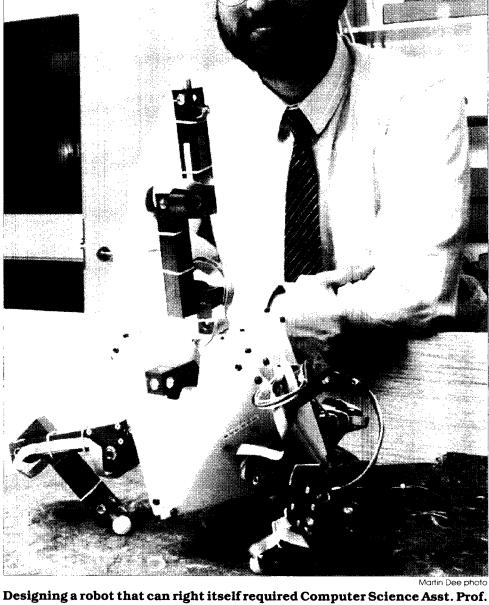
The committee will review the department's mandate, strategic plan, structure, operations, staffing, budget and cost recovery programs; evaluate its overall effectiveness and accountability, and in particular, assess the effectiveness of the role of generalists both from the users' and the Human Resources Department's perspective; and identify opportu-

nities for improved service, processes and relationships with campus consumers and with other service departments.

Committee members come from a variety of departments on campus as well as from two other universities. The review is to be completed and a report submitted to the vice-president by Mar. 31.

Contributions from the university community that will assist the committee with its review are welcome prior to Feb. 23. Mail should be sent to committee chair Peter Frost, Faculty of Commerce and Business Administration or by email to hrreview@unixg.ubc.ca.





Dinesh Pai and colleagues to take a close look at the principles of locomotion.

Cartwheeling robot never backs down

Beast waits patiently to be brought to life. Its creator, Dinesh Pai, is more than willing to oblige.

'Wanna go for a walk?" Pai asks as he seats himself at the control panel of the Platonic Beast simulator.

Moments later the machine stands on three of its four legs and begins a fluid. methodical cartwheel across the enclosure.

The Platonic Beast is the only robot in the world designed to avoid getting stuck. Where other robots might hit a stumbling block, fall over and flail helplessly on their backside, Pai's beast has the ability to pick itself up and keep on moving.

Given its perfectly symmetric torso and equidistant positioning of its legs, it is impossible for the beast to fall down.

Resting in a small pen, the Platonic | beast is "fall tolerant" and looks the same no matter what its position.

> Pai has been working on the Platonic Beast for three years with support from the Natural Sciences and Engineering Research Council and the Institute for Robotics and Intelligence Systems, one of the Networks of Centres of Excellence programs.

> For the last six months the beast has undergone the equivalent of a brain transplant with the installation of four, new on-board computers controlling 12 motors. one for each limb joint. Pai points out that the most sophisticated industrial robots found on assembly lines typically have six joints.



The Institute of Asian Research (IAR) is moving, unofficially, into its new digs next month. Given the 30 or so metres separating the Asian Centre from the C. K. Choi Building, which will house the IAR on West Mall, the transfer shouldn't be too onerous.

However, Eleanor Laquian, IAR manager, says the move won't be complete until the institute recycles a bit of its past.

When the Institute of Pacific Relations and its director Bill Holland moved to UBC from New York City in 1961, Holland insisted on bringing the institute's boardroom table with him.

For more than 30 years, the magnificent oak table, which measures four metres when fully extended, has resided in the second floor of the dilapidated old mechanical engineering annex. When the IAR emerged in 1978 and moved into the Asian Centre, Holland's table sadly got lost in the shuffle. It has since been gathering dust in what used to be the IAR reading room in mechanical engineering's Hut M-17.

With only four offices in the Asian Centre there just wasn't room for a table that big," said IAR director Terry McGee. "It will be good to have it back in circulation."

The table has been taken away for an overhaul before it returns to active duty in the new ground-floor office of Pacific Affairs, the leading academic journal of Asia Pacific issues which Holland edited for more than two decades.

The C. K. Choi Building opens officially in October.

We wanted to make something very different from biological four-legged animals," says Pai, an assistant professor in the Dept. of Computer Science. "Building something from scratch forced us to rethink what locomotion involves and what it means to walk."

The name for Pai's beast dates back 2.300 years when Plato discovered the five most symmetric solids possible: the tetrahedron (four sides). cube (six), octahedron (eight), dodecahedron (12) and the icosahedron (20). Together they are known as Platonic solids.

Pai's Platonic Beast is an octahedron with four, three-jointed limbs attached to alternate faces. The beast begins a series of what Pai calls controlled tumbles with three legs on the ground and the fourth sticking vertically from the top face. A step involves the top leg swinging down while a supporting leg lifts and assumes the top position. With no designed orientation, the

The beast has a high degree of free dom which makes it among the most complex robots around," says Pai, who developed the robot with colleagues Rod Barman and Scott Ralph.

A meld of aluminum and plastic, the Platonic Beast weighs in at approximately five kilograms. While its predecessor was able to negotiate flat surfaces only, the computer upgrade enables the new improved beast to react to changes in terrain and the attendant forces on its feet.

One of the industrial applications Pai foresees for the robot is carrying sensors into hazardous environments such as nuclear facilities.

But the robotics specialist cautions that the beast is still only a research prototype characterized by slow motion and an inability to carry large payloads. A larger. more nimble beast, capable of carrying cameras, is in the works. Pai is also working with an industrial consortium on the development of a wall-climbing robot.

Continuing Studies Societal violence, equality among upcoming courses

Some of the most pressing issues facing Canadians will be explored in a series of courses offered this term by UBC Continuing Studies.

Violence in the home and in the street, questions of national unity and the Charter of Rights' effect on women's equality are three questions that will be addressed by experts drawn from among UBC faculty and the greater community.

How can we accommodate Quebec's nationalist aspirations and yet remain a vigorous and confident country? That is the difficult question to be posed at a day-long forum Feb. 10.

Called "Alternative Visions: Canada-Outside-Quebec After the Referendum," it will examine issues of how Canada can define its identity with or without Quebec and other issues vital to the future of the country.

The forum is co-hosted by the Political Science Students Association, who felt strongly that they should contribute to the debate about English-speaking Canada's response to the Quebec referendum.

Speakers will include jurist Thomas Berger, author Susan Crean, McGill Prof. Emeritus Paul Lin, Political Science Prof. Phil Resnick and History Assoc. Prof. Allan Smith.

"Violence in our Society: Reality and Perception," to be held on Tuesdays from Feb. 13 to March 19, examines one of today's most controversial issues.

It will look at the true extent of violence in our society, what its causes might be and suggest some constructive approaches for dealing with it.

Addressing these issues will be: Psychology Prof. Robert Hare: Anthropology and Sociology Prof. Robert Ratner: Shari Graydon, president of Media Watch: Michael Goldberg, research director, Social Planning and Research Council of B.C.; Patti Pearcey, B.C. Coalition for Safer Communities; and Nursing Asst. Prof. Angela Henderson.

Since the Charter of Rights came into effect a decade ago, a series of landmark legal cases on women's equality has been heard in the Supreme Court of Canada.

"Precedents and Setbacks: Women, the Charter and the Courts," will examine some of these cases and discuss what effect the law has had on the lives of Canadian women.

Featured speakers are: Christine Dearing, vice-president of the Legal Education and Action Fund; Law Assoc. Prof. Isabel Grant; Law Assoc. Prof. Claire Young; and Law Prof. Christine Boyle.

The program will be held Tuesdays from March 12 to April 2.

For more information about any of these programs or to register, call Continuing Studies at 822-1450.



Child's Play

UBC Bookstore Director Debbie Harvie (right) pulls a coupon from a dispenser placed in the store to raise funds for B.C.'s Children's Hospital Foundation while the Foundation's Fundraising Manager Rose Terzariol looks on. By taking a coupon from a dispenser and presenting it to the cashiers a \$1 donation to the hospital was added to the customer's purchase. During October and November, UBC Bookstore and Health Sciences Bookshop customers donated \$2,231. Children's Hospital is the province's only specialized treatment, research and educational health care centre devoted to children.

GIVE SOMEONE A SECOND CHANCE.

Discuss organ donation with your family and sign a donor card today.



Snow?

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

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





THE UNIVERSITY OF BRITISH COLUMBIA Peter Wall Institute for Advanced Studies Director

Applications and nominations are invited for the position of Director of the recently established Peter Wall Institute for Advanced Studies. The Institute, made possible by an endowment of \$10M from the Hampton Fund, is intended to enrich the research and intellectual life of UBC and the community by encouraging major interdisciplinary projects, visits and events on major themes and topics. In the near term, the Institute is expected to provide funding for one new "thematic concentration" per year, each of which will involve a 3-year interdisciplinary exploration of a topic of contemporary and/or scholarly importance by groups of researchers from UBC departments and visitors. The first successful group and theme should be selected and announced by the end of February, 1996. From time to time the Institute may also sponsor individual lectures or visits of broad interest to the University. The Institute is also expected to maintain close links with the Peter Wall Distinguished Professors and Distinguished Visitors supported by a \$15M endowment from Peter Wall. The Director will be expected to provide leadership in promoting teamwork and excellence in addressing major research themes by coordinating the annual thematic concentration competition, by monitoring and facilitating funded projects, and by undertaking related initiatives.

The Director is expected to be a Full Professor with a demonstrated commitment to excellent research and proven organizational abilities. He/she must have broad scholarly interests and good interpersonal skills. Administrative experience, service on grant selection committees, experience in working in teams and a record of holding research grants are other important assets. Only candidates internal to UBC will be considered. The appointment as Director will be for a period of five years, initially 40% in the Institute and 60% in the home department, later converting to 60% in the Institute when the latter is fully operational. An administrative stipend will be available. Office space and secretarial support will initially be located at Green College.

Applicants should send a letter describing their interest in the position, a curriculum vitae and the names and addresses of at least three references to Dr. John Grace, Dean, Faculty of Graduate Studies, 180-6371 Crescent Road, Zone 2. Nominations should contain a justification and, where possible, include a curriculum vitae; they should be sent to the same address. **The deadline for applications and nominations is February 19, 1996**. It is expected that the appointment will begin July 1, 1996.

The University is concerned about the under-representation in administration of women, aboriginal people, visible minorities and persons with disabilities and welcomes all qualified applicants especially members of these designated employment equity groups.

Forum spotlights job futures for Arts grads

by Gavin Wilson

Staff writer

What can you do with a Bachelor of Arts degree? Ask playwright John Gray and TV news anchor Mi-Jung Lee.

They are two of the UBC arts alumni who will be on hand at "Beyond the BA," a threeday forum on career opportunities and jobhunting techniques for arts students to be held Jan. 29 and 30 and Feb. 2.

Sponsored by the Alumni Association, Faculty of Arts and Arts Undergraduate Society. "Beyond the BA" aims to convey the kind of information and life skills not provided in the classroom, said Dawn Levy, a program coordinator with the Alumni Association.

Students will learn how to write cover letters, learn where the jobs are, what to do in a job interview, and hear alumni explain how they used their BAs as springboards for interesting and varied careers.

"There are many more options out there than many students think," Levy said. "Accounting, for example, is an excellent career option open to Arts graduates. You don't need to have studied math to become an accountant."

Arts students also tend to overlook the value of the skills they acquire in the classroom, such as writing, presentation and teamwork.

"Unfortunately, some students view

their coursework as a series of hoops they have to jump through to get a piece of paper," Levy said. "They're actually learning valuable skills."

Beyond the BA begins with a talk on trends in the job market by Economics Prof. Craig Riddell.

The second day focuses on how to prepare yourself for entering the job market. Casey Forrest of Pinton. Forrest and Madden Group Inc., a consulting and executive search company, and Blair Grabinsky, manager of UBC's Career and Placement Services, will speak.

On the third and final day, a panel of alumni will discuss their careers.

The panelists are: Mi-Jung Lee (BA English '88), a television reporter and anchor with BCTV: John Gray (MA Theatre '72), an author, actor, playwright and singer-songwriter whose credits include *Billy Bishop Goes to War* and *18 Wheels*; Liz Grant (BA Psychology '84).a career consultant who is a partner in the company Geode Consulting Group: and Maria Cavezza (BA Geography '92) who has worked with international aid organizations and founded Water for Life, an ongoing project to supply clean water to villages in Ghana.

"Beyond the BA" is free of charge and, despite its focus on arts undergraduates, open to anyone at UBC. The forum will be held each day from 12:30 to 1:30 p.m. in SUB Auditorium.



Constant review key to improving service

by Stephen Forgacs

Staff writer

Several changes in the way the UBC Bookstore operates have resulted in increased efficiency and improved customer service.

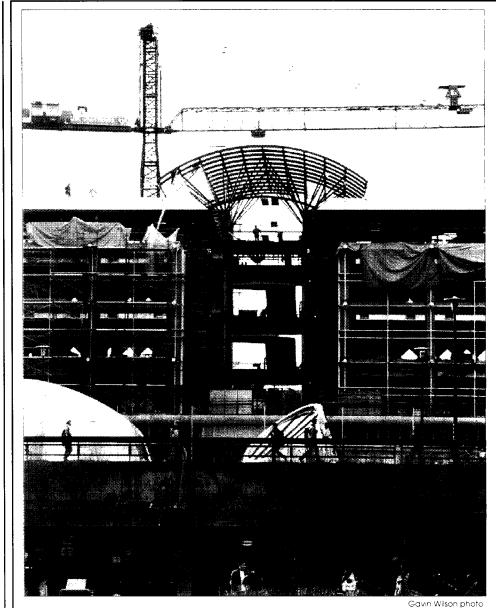
By re-evaluating the way it operates, the Bookstore is getting the sort of results that departments across campus are aiming for and attaining through process improvement, said John Chase, UBC's director of Budget and Planning.

"A lot of the processes we're involved in on a daily basis have developed over time." said Chase. "And when we pose the question 'why are we doing it this way,' the answer is often 'because we've always done it that way'."

Bookstore Director Debbie Harvie said the changes, which range from the relocation of a customer service counter to the acceptance of debit cards, are part of an ongoing process aimed at keeping customers happy and the Bookstore profitable.

She said a key to maintaining efficient operations is constantly reviewing procedures and looking for ways to improve rather than making it an occasional process.

"I believe very firmly that we are always re-engineering our processes. As retailers we can't afford to let administrative costs skyrocket because this



Storeys Above

Rising above Sedgewick Library, the first phase of the Walter C. Koerner Library Centre takes shape on Main Mall. The building is designed by Arthur Erickson/Aitken Wreglesworth Associates and will be UBC's new main library. It will merge Sedgewick's services and collections with the current Main Library divisions of humanities and social sciences, government publications and microforms and the data library. The Koerner Library is scheduled to open next autumn.

Experts seek solutions to vision loss in Third World

by Gavin Wilson

Staff writer

Ophthalmologists debated the best ways of helping the millions of people who suffer unnecessarily from blindness in the developing world at a recent clinical day at St. Paul's Hospital.

An estimated 35 million people are blind worldwide, and 80 per cent of them are in developing countries, said Dr. Peter Nash, one of the clinical day chairpersons and a clinical associate professor at UBC.

The overwhelming cause of blindness in the developing world is cataracts, a condition in which the lens of the eye become progressively opaque, said Nash, who has worked in Nepal, India and Malawi. The tragedy is that cataracts are reversible with surgery, but many developing countries lack the funding, infrastructure and personnel to deal with it, he said. Africa is the worst off, with only one eye care physician for every million people. At the clinical day, local ophthalmologists and other eye care professionals discussed the issues and listened to guest speakers from organizations such as Surgical Eye Expeditions International, Seva Blindness Prevention Programs, Operation Eyesight and Christian Blind Mission International. Despite the efforts of such organizations, the battle against blindness is losing ground. By the year 2020 an estimated 50 million elderly people will be blind due to cataracts.

how to best treat cataracts: intraocular lenses implanted in the eye, a technique used in developed countries. or, as is more common in the developing world, removal of the eye lens and replacement with glasses. The former results in better vision, but the latter is easier and less expensive, allowing more people to benefit.

Also at issue are different approaches to eye care. For example, Surgical Eye Expeditions International conducts short-stay programs in which local surgeons are taught cataract techniques. Most other eye care organizations, on the other hand, concentrate on longterm projects that help build an eye care infrastructure

would drive our prices up and decrease our competitiveness," she said.

Established in 1994, the primary focus of the President's Advisory Committee on Process Improvement and Development is the redesign of processes which cut across departmental boundaries.

Responding to one of the major recommendations of the 1994 Dupré *Report* on Administrative Organization and Effectiveness, the committee is examining the two major processes which provide input to the Financial Record System (FRS)—appointments and procurements.

The faculties of Forestry and Commerce and Business Administration, as well as the Dept. of Housing and Conferences, are serving as pilot projects for testing the feasibility of some of the recommendations contained in the appointment process review.

The examination of the procurement process is continuing with a report from the procurement working committee anticipated in the next several months.

"Improvements in the management of financial information are key to helping campus managers better utilize their resources," Chase said.

He said the emphasis on process improvement is a sign of the times and comes in response to several factors: the university is committed to delivering the highest possible quality of service to its customers; changes in revenue require cost restraints if not reductions; the university is committed to empowering employees and staff as much as possible; and new technology allows for changes not possible in the past.

These continuous improvement activities are occurring both within individual organizational units and across units on shared processes.

One issue facing ophthalmologists is

infrastructure.

Other topics covered at the clinical day, which was attended by more than 125 people, included eye banking, training techniques, the effect of AIDS on African blindness programs and personal experiences in countries such as Malawi, Thailand and Sudan.

Organizers say the turnout reflects the growing interest among B.C. ophthalmologists in the problems of blindness facing the developing world.

This interest can also be seen in the creation earlier this year of the B.C. Centre for Epidemiologic and International Ophthalmology in the Dept. of Ophthalmology.

The centre's director is Asst. Prof. Paul Courtright, who spent five years working in Africa before joining UBC.

The centre works with health agencies in Canada and internationally with governments and non-governmental organizations to help develop programs, provide training and conduct research.

Calendar

January 28 through February 10

Identification Clinic

MOA's Professional Staff Will Help

Identify Your Objects And Provide

Conservation Advice. MOA 217.7-

8pm. Free. Please call in advance

to indicate what you intend to bring. Call 822-5087.

Wednesday, Jan. 31

Post-Secondary Education

Seminar

Changing Patterns Of Governance

In Canadian Universities. David

Cameron, Dalhousie U. Green Col-

lege recreation lounge, 2-5pm. Call

Seminar

Space, The Last Frontier: Experi-

mental Studies On Interference

Competition. Bob Paine, Zoology.

U of Washington, Seattle. Host Dr.

Charles Krebs. Family/Nutritional

Sciences 60, 4:30pm. Refresh-

ments in Hut B8 at 4:10pm. Call

Seminar

Do Sports Injury Patients Benefit From NSAIDs? Patricia Gerber,

Pharm.D student, Pharmaceutical

Sciences. Vancouver Hospital/ HSC. Koerner Pavilion, room G279,

Respiratory Research

Seminar

An Atypical Look At Mycobacteria.

K. Elwood, Clinical Assoc. Prof.

Doctors Residence, Vancouver

Hospital, 2775 Heather Street, 3rd

Floor conference room, 5-6pm. Call

Surgery Grand Round

Immunomodulator. Dr. Jonathan

L. Meakins, McGill U. GF Strong

auditorium (26th & Laurel), 7am.

19th Century Colloquium

Series

Constructing Woman In The Arts.

Melinda Boyd, School of Music,

lan Dennis, English and Errol

Durbach, Theatre and English.

Moderator, Vera Micznik, Music.

Green College recreation lounge,

 \mathbf{As}

An

Surgeon

4:30-5:30pm. Call 822-3183.

822-6067

822-4595.

875-5653

Call 875-4136

The

Sunday, Jan. 28

Laurel Pavilion Open House Vancouver Hospital Invites Public to Tour New Facility. Laurel Pavilion, 899 West 12th Avenue, 12-4pm. Call 875-4838.

Green College Performing Arts Group

Poetry Reading - Bring Your Favourite Poetry To Read And Discuss. Green College, Graham House, 8pm. Call 822-6067.

Monday, Jan. 29

Seminar

Involvement Of Neural Growth Factor In Neuropathic Pain. Mark Bisby, Dept. of Physiology, Queen's U, Kingston, ON. BioSciences 2449, 4:30pm. Refreshments. Call 822-1675.

Seminar

Protein Folding And Dynamics Viewed Through An NMR Camera With A Microsecond Shutter Speed. Terry Oats, Dept. of Biochemistry, Duke U. IRC#4, 3:45pm. Refreshments at 3:30pm. Call 822-9871.

IHEAR Seminar

From Clinical Treatment To Community Quality Of Life: A Comparison Of Innovations In Dentistry And Audiology. Dorothy Hoek and Michael MacEntee. James Mather portable annex, classroom #1, 5pm. Hearing accessible. Call 822-3956.

Beyond the BA

Fast Forward - The Changing Job Market And You. W. Craig Riddell, Head of Economics, UBC. SUB Auditorium, 12:30-1:30pm. Call 822-8917. Sponsored by UBC Alumni Assoc., Faculty of Arts and Arts Undergraduate Society.

Tuesday, Jan. 30

Seminar

Our Health Care System, Past, Present And (?) Future. Ron McKerrow, BSc (Pharm.), BC Children's and Women's Hospital. IRC#3, 12:30-1:30pm. Call 822-4645.

Seminar

Parameter Optimization And Analysis Of Ecosystem Models Using Simulated Annealing: A Case Study At Station P. Richard Matear, Institute of Ocean Sciences, Sidney, BC. BioSciences 1465, 3:30pm. Call 822-2821.

Seminar

Chaperonin Proteins. Sean

Comparative Literature Colloquium

Varieties Of Temptation: Some Thoughts on Václay Havel. Marketa Goetz-Stankiewicz, Germanic Studies. Green College recreation lounge, 5:30pm. Call 822-6067.

Academic Lecture Series

The Human Genome Project And Psychiatry. Hans W. Moises, MD. Department of Psychiatry, Detwiller Pavilion lecture theatre, 9am. Free. Call 822-0574.

Students for Forestry

Awareness Speaker Series The Role Of Rural Communities In The Forest Debates. Mike Morton, Share BC. MacMillan 166, 12:30pm. Refreshments. Call 274-4730.

Concert Instrumental Collegium Musicum. John Sawyer, director. Music recital hall, 8pm. Free. Call 822-3113.

Friday, Feb. 2

Seminar

Planning As A Consultant: Projects, Opportunities And Challenges. Catherine Berris. Buchanan D333, 12:30pm. Free. Call 822-3914.

Theoretical Chemistry Seminar

Forces Between Macroscopic Objects In Solution: What Do We Know? G. Patey, Dept. of Chemistry. Chemistry D402 (centre block), 4pm. Call 822-3266.

Seminar

Regulation Of HDL Concentration And Quality In Plasma. Dr. Jiri Frohlich, Dept. of Pathology, St. Paul's Hospital. IRC#3, 12:30-1:30pm. Call 822-4645.

Soil Science Seminar and

CSSS Presidential Lecture Selenium In Soil, Crops, Livestock And Humans. V.C. Gupta, President, Canadian Soil Science Society. MacMillan 154, 2:30pm. Call 822-2875.

Beyond the BA

An Arts Degree? It Worked For Mel Maria Cavezza BA '92 (Geography), Consultant. Mi-Jung Lee BA '88 (English), Reporter and News Anchor, BCTV. Liz Grant BA '84 (Psychology), Human Resources Consultant. Partner/Geode Consulting Group. John Gray MA '72 (Theatre), Actor and Playwright. SUB auditorium, 12:30-1:30pm. Call 822-8917.

Graduate Colloquium Series

Allegory In Early Lutheran Music:

Concert

UBC Symphonic Wind Ensemble. Martin Berinbaum, director. Old Auditorium, 8pm. Free. Call 822-3113.

Saturday, Feb. 3

Vancouver Institute Lecture Healthy, Wealthy And Cunning? Profit And Loss From Health Care Reform. Prof. Robert Evans, Centre for Health Services and Policy Research. IRC#2, 8:15pm. Free. Call 822-3131 during regular business hours.

Symposium

Eastern Europe and Russia: A Perspective. Various speakers. Lasserre 102, 9am-5pm. Coffee is served. Call 222-9225.

Conference

Endangered Species Legislation And Biodiversity Conference. Elizabeth May, Sierra Club, David Brackett, Canadian Wildlife Service. Curtis building, doors open 8:30am. Early registration \$10 (lunch included). Call 228-2195.

Sunday, Feb. 4

Green College Performing Arts Group

Improv Games with Jennifer Covert, Theatre and Film. Green College, Graham House, 8pm. Call 822-6067.

Monday, Feb. 5

Seminar

Cellular Proteoglycans And Viral Glycoproteins: Viral-Host Interactions In Herpes Simplex Virus Infection. Dr. Frank Tufaro, Dept. of Microbiology. IRC#4, 3:45pm. Refreshments at 3:30pm. Call 822-9871.

Seminar

Whale Arteries. John Gosline, Dept. of Zoology. BioSciences 2449, 4:30pm. Refreshments. Call 822-4228.

Seminar

Economic Reforms In China And India. Ajit Bhalla, Pearson Fellow, IDRC. Asian Centre, room 604, 4-6pm. Call 822-2629.

Seminar

Interneuronal Control Of The Hippocampal Network. Dr. Tamas Freund, Hungarian Academy of Science., Inst. of Experimental Medicine, Budapest, Hungary. IRC#5, 3:30pm. Call 822-2671.

Cultural and Media Studies Interdisciplinary Group

Pragmatism And Deconstruction -Deconstruction And Hegemony. Ernesto Laclau, Dept. of Govern-

 U BC REPORTS

UBC Pacific Rim Club Event

Vancouver: Making Waves In The Pacific. Ian Hanomansing, CBC. Hyatt Regency Plaza Ballroom, 6:30-8:30pm. Semi-formal. Refreshments. Members \$15, Nonmembers \$18, Corporate \$25. Call 221-4383.

Tuesday, Feb. 6

Seminar

So How Long Has This Been Going On? - Regime Shifts In Fish Populations. Dick Beamish, Pacific Biological Station, Nanaimo. BioSciences 1465, 3:30pm. Call 822-2821.

Seminar

C-S-R. Theory Revisited: Why Is It Still Controversial? Phil Grime, NERC Unit of Comparative Plant Ecology, U of Sheffield. BioSciences 2000, 12:30-1:30pm. Call 822-2133.

Seminar

Design Of Magnetic Resonance Contrast Agents - Part 1: Theory. Colin Tilcock, Asst. Prof., Faculty of Pharmaceutical Sciences and Dept. of Radiology. IRC#3, 12:30-1:30pm. Call 822-4645.

Seminar

Where On Earth Is The Lower Mainland, Anyways? William Rees, Community and Regional Planning. IRC#5, 12:30pm. Call 822-8759.

Green College Speaker Series

Academic Culture In Canadian English Speaking Universities. Donald Fisher, Centre for Policy Studies in Education. Green College recreation lounge, 5:30-6:30pm. Receptionin Graham House 4:45-5:30pm. Call 822-6067.

Faculty Women's Club Meeting

Writing A Biography. Margaret Prang, Dept. of History. Cecil Green Park House, 10am. Call 228-1116.

Wednesday, Feb. 7

Seminar

Field Experiments With Future Climates. Philip Grime, Botany Dept., U of Sheffield. Host Roy Turkington. Family/Nutritional Sciences. 60, 4:30pm. Refreshments in Hut B8, 4:10pm. Call 822-2141.

Respiratory Research Seminar

Chronic Obstructive Pulmonary Disease: A Major Risk Factor In Lung Cancer. Dr. Thomas L. Petty, Medicine, U of Colorado. Doctors Residence, Vancouver Hospital. 2775 Heather St., 3rd floor conference room, 5-6pm. Call 875-5653.

8-10pm. Call 822-6067. Noon Hour Concert An A: Tong-Il Han, piano. Music recital hall, 12:30pm. \$2.50 at the door. Call 822-5574. An A: Maria phy). *88 (I)

Exhibit Reclaiming History: Ledger Drawings by Assiniboine artist Hongeeyesa. MOA. Until March 31. Call 822-5087.

Thursday, Feb. 1

Hemmingsen, Plant Biotech. Institute, Saskatoon. BioSciences 2000, 12:30-1:30pm. Call 822-2133.

Green College Speaker Series

Language In Aphasia. John Gilbert, coordinator of Health Sciences. Green College recreation lounge, 5:30-6:30pm. Reception in Graham House, 4:45-5:30pm. Call 822-6067.

Beyond the BA

The Complete Job Hunter. Casey Forrest, Principal, Pinton, Forrest & Madden Group. Blair Grabinsky, Manager, UBC Placement Services. SUB auditorium, 12:30-1:30pm. Call 822-8917.

Centre for Applied Ethics Colloquium

Ethics Of Web Site Engineering. Chris MacDonald, PhD candidate, Dept. of Philosophy, Chris Moreno, Masters student, Dept. of Philosophy. Angus 415, 4-6pm. All welcome. Call 822-5139.

Seminar

Antibiotic Screening Of Medicinal Plants Of Kenya. Doris Mutta, MSc candidate, Dept. of Botany. BioSciences 2000, 12:30-1:30pm. Call 822-2133.

Chemical Engineering Seminar

Desorption Of Acid Gas From Loaded Alkanolamine Solution. Aqull Jamal, grad. student. ChemEng 206, 3:30pm. Refreshments at 3:15pm, room 204. Call 822-3238.

Seminar

Human Chromosome Microdeletion Syndrome; Understanding Multiple Congenital Anomalies. Dr. Jan Friedman, Dept. of Medical Genetics. Wesbrook 201, 4:30pm. Refreshments after the seminar. Call 822-8764.

Physics Colloquium

Physics Of Bird Flocking. John Toner, U of Oregon. Hennings 201, 4pm. Call 822-3853. Alan Macdonald, School of Music. Music Library seminar room, 400B, 3:30pm. Free. Open to public. Call 822-3588.

Seminar

Treatment And Prevention Of Post-Traumatic Stress Disorders Due To Workplace Violence. Gary Ladd, PhD - Registered Psychologist. Vancouver Hospital/HSC, Koerner Pavilion G279, 12:30-1:30pm. Call 822-9595.

Health Care and Epidemiology Rounds

Clean Dirt Policy - Soft Science -Hard Numbers, Developing An Analytic Approach. Ray Copes, Medical Consultant, BC Ministry of Health. Mather 253, 9-10am. Call 822-2772.

Grand Rounds

Models That Work - The Los Angeles Experience. Dr. Richard MacKenzie, Childrens Hospital Los Angeles. GF Strong auditorium, 9am. Call 875-2307. ment, U of Essex, UK and Chantal Mouffe Collège International de Philosophie. Green College dining hall, 8pm. Call 822-6067.

CALENDAR POLICY AND DEADLINES

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

Calendar items must be submitted on forms available from the UBC Public Affairs Office, 310-6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1. Phone: 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 February 8 issue of UBC Reports which covers the period February 11 to February 24 is noon, January 30.

Calendar

January 28 through February 10

Seminar for PhD Students in Interdisciplinary Studies Beyond UBC: A Panel Discussion Of Graduates And Visitors. Green College recreation lounge, 5pm. Call 822-6067.

Seminar

An Evaluation Of Combination Therapy In Patients With Secondary Sulphonylurea Failure. Dr. Ric Prayshyn, PharmD student, Division of Clinical Pharmacy, Faculty of Pharmaceutical Sciences. Vancouver Hospital/HSC, Koerner Pavilion, G279, 4:30-5:30pm. Call 822-4645.

Women' Studies Seminar

TBA. Ellen Judd, Visiting Scholar, Anthropology, U of Manitoba. 1896 East Mall, 3:30-5pm. Free. Call 822-9171.

Continuing Studies Seminar

Black People in BC—Local Artists And Writers Examining Issues Currently Facing The Black Community. Sadie Kuehn, Educator. Hotel Georgia, York Room, 12-1:30pm. Free. Bring lunch. No registration necessary. Call 822-1450.

Centre for Japanese Research Seminar

Reflections On Hiroshima. Prof. Millie Creighton, Dept. of Anthropology and Sociology. Asian Centre auditorium, 12:30-2pm. Call 822-2629.

Microbiology &

Immunology Seminar On Lasers, Lineages, And Muscle Plasticity In the Nematode C.elegans. Don Moerman, Zoology Dept. Wesbrook 201, 12:30-1:30pm. Call 822-3308.

Film, Slide Presentation, Panel Discussion

Eating Disorder Awareness Week -Main Event. Consumers, Counsellors, Nurses, Experts, Members from Mediawatch. SUB Party room, 12:30-3:30pm. Call 631-5313.

Beyond the B.A.

 January 29
Fast Forward— The Changing Job Market & You
Dr. Craig Riddell, Economics, UBC

January 30 The Complete Job Hunter

Noon Hour Concert

Marc Destrubé, violin, Robert Holliston, piano. Music recital hall, 12:30pm. **\$2**.50 at the door. Call 822-5574.

Thursday, Feb. 8

Inst. Asian Research Seminar

Globalization vs. Regional Integration. Ajit Bhalla, Pearson Fellow, IDRC. Asian Centre 604, 4-6pm. Call 822-2629.

Critical Issues in Global Development Seminar

Linking Trade And Aid To Human Rights. Ed Broadbent, director of International Centre for Human Rights and Democratic Development. Green College recreation lounge, 8-10pm. Call 822-6067.

Genetics Graduate Program Seminar

Molecular Characterization Of Self-Nonself Recognition In Neurospora. Louise Glass, Biotechnology Laboratory and Dept. of Botany. Wesbrook 201, 4:30pm. Refreshments after seminar. Call 822-8764.

CICSR Distinguished Lecture

Methods And Tools For Validating Real-Time Constraints. Jane Liu, Dept. of Computer Science, U of Illinois. CICSR/CS 208, 4-5pm. Refreshments/lecture free. Call 822-6894.

Law and Society

First Nations And Environmental Degradation - What A Mess. John Burrows, Law, York U. Green College recreation lounge, 5-6:30pm. Call 822-6067.

Philosophy Colloquium

Gene Therapy And The Concept Of Genetic Disease. David Magnus, U of Puget Sound. Buchanan D24, 1-2:30pm. Call 822-3292.

Physics Colloquium

Extragalactic Megamasers. Lincoln Greenhill, Harvard U. Hennings 201, 4pm. Call 822-3853

Students for Forestry

Awareness Speaker Series TBA. Herb Hammond, forest ecologist and author of Seeing the Forest Among the Trees. MacMillan 166, 12:30pm. Refreshments. Call 274-4730.

UBC Artsfest '96

UBC Javanese Gamelan. Exotic music and dance from Java, directed by Sutrisno Hartana. Asian Centre auditorium, 2pm. Free. Call 822-5574.

Theatre Lobby. 11:30am-5pm. Continues Feb. 9 and 10. Free.

UBC Artsfest '96

Washington Square by Henry James. Frederic Wood Theatre. 2:00pm. Continues Feb. 9 and 10. Free.

UBC Artsfest '96

Medea by Larry Fineberg. Dorothy Somerset Studio. 8:00pm. \$7. Continues Feb. 9 and 10. Reservations, call 822-2678.

Intercultural Film Studies

Italian Futurist Cinema - A Feminist View. Millicent Marcus. U of Texas At Austin. Italian Feminism and Women's Filmmaking - Intersections 1975/1995. Aine O'Healey, Loyola Marymount U. Green College, Coach House, 1:30-4pm. Call 822-5546/822-3753.

Friday, Feb. 9

Inst. Asian Research Seminar

The Invention Of Edo. Prof. Carol Gluck, Dept. of History, Columbia U. Asian Centre auditorium, 12:30-2pm. Call 822-2629.

Theoretical Chemistry Seminar

Computer Simulation NOT Of Liquid Crystals: Electric Peanut Butter, Spreadable But Not Edible. G. Ayton, Dept. of Chemistry. Chemistry D402 (centre block), 4pm. Call 822-3266.

Chemical Engineering Seminar

Purification Of Partially Degraded Diothanolamine Solution. Majid Abedinzadecan, graduate student. Chem/Eng 206, 3:30pm. Refreshments at 3:15pm. room 204. Call 822-3238.

Seminar

Evaluating CIDA's Development Projects In South Asia. Tony Beck, IAR honorary research associate and consultant to CIDA.. Asian Centre 604, 12:30-2pm. Call 822-2629.

Seminar

Interaction Of Myocarditic Coxsackieviruses And Immune Cells: Implications For Viral Pathogenesis. Dr. Bruce McManus, Dept. of Pathology, St. Paul's Hospital. IRC#3, 12:30-1:30pm. Call 822-4645.

Occupational Hygiene Seminar

Health Impacts Of Inhalable Particles In British Columbia. Dr. Sverre Vedal, Respiratory Division, Dept. of Medicine. Vancouver Hos-

UBC Artsfest '96

Composers Fest. Chamber Music with UBC Contemporary Players and guest artists. Music recital hall, 12:30pm. Free. Call 822-5574.

UBC Artsfest '96

Composers Fest. The Role of Composers In Canadian Society. A panel discussion featuring Chan Ka Nin, Peter Hatch and other guests. Music 339, 2:30pm. Free. Call 822-5574.

UBC Artsfest '96

Public Speaking, Short Story And Poetry Contest With \$1,350 In Cash Prizes. Buchanan Tower, 5th floor lounge. Public Speaking 12:30pm, Short Story 2pm, Poetry 3:30pm. Rules and deadlines call 221-4366.

Intercultural Film Studies

Are The Children Watching Us? The New Comedy Of Francesca Archibugi. Aine O'Healey, Loyola Marymount U. Buchanan Penthouse, 12:30pm. Call 822-5546/ 822-3753.



<u>Notices</u>

Language Programs

Registration with Continuing Studies is underway for weekly French, Spanish, Japanese, Mandarin, Cantonese, Italian, German, Arabic, Hindi and Punjabi conversation classes. Evening and Saturday morning classes begin January 20. Buchanan D Block, 3rd floor. \$245. For course times and registration information call 822-0800.

Library Workshops

UBC Library offers more than 100 workshops each term on how to search UBCLIB, the Library's online catalogue/information system and how to search electronic periodical indexes and abstracts. Call or visit individual branches and divisions for course descriptions and schedules.

Badminton Drop-In

Faculty/Staff/Grad Students are welcome at the Student Recreation Centre, Mondays, 6:30-8pm. and Wednesdays, 6:45-8:15pm. Bring your library card. Check for c a n c e l l a t i o n s : ratkay@unix.infoserve.net or call 822-6000.

Volleyball

Faculty, Staff and Grad Student Volleyball Group. Every Monday and Wednesday, Osborne Centre, Gym A, 12:30-1:30pm. No fees. Saturday, Feb. 10

Continuing Studies Seminar Alternative Visions: Canada - Outside Quebec After The Referendum. Thomas Berger, jurist, Susan Crean, author, Paul Lin, professor emeritus McGill, Philip Resnick, professor Political Science, Allan Smith,

tus McGill, Philip Resnick, professor Political Science, Allan Smith, professor History. Law 101/102, 9am-4:30pm. \$20; \$10 students and unemployed. Non-refundable. No-host reception afterwards. Call 822-1450.

Vancouver Institute Lecture Between Two Referendums: The Future Of Quebec And Canada. Mme. Lysiane Gagnon, Political Columnist La Presse and Globe and Mail. IRC#2, 8:15pm. Free. Call 822-3131 during regular business hours.

UBC Artsfest '96

Composers Fest. Chamber Choir and Jazz featuring Vocal Collegium Musicum and UBC Jazz ensemble with guest Ian McDougall, trombone. Film "Nails," with music by Michael Conway Baker. Music recital hall, 8pm. Free. Call 822-5574.

Graham. January 27-March 2, 1996. Organized by the Art Gallery of York University. Gallery hours are Tuesday - Friday 10am-5pm and Saturday, 12-5pm. The address is 1825 Main Mall. Phone number is 822-2759.

UBC Nursing and Dept. of Counselling Psychology Study

Are you pregnant for the firsttime, currently working, living with a partner, and intending to return to work after the arrival of your baby? Help us learn more about working and parenting so that we can help you. Volunteer for the "Transition to Parenthood for Working Couples Study" by calling Wendy Hall, Assistant Professor, UBC School of Nursing at 822-7447.

Grad Students Wanted...

To run in the upcoming '96 GSS Executive Elections. Brochures outlining the duties of the President. Dir. of Administration, Dir. of Student Affairs and Dir. of Services and the remuneration of these positions are available at the GSS office. Nominations close on February 2 at 5pm. Take a stand and make a difference. Call 822-3203 for more information.

Casey Forrest, Principal, Pinton, Forrest & Madden Group Blair Grabinsky, Manager, UBC Placement Services

February 2 An Arts Degree? It Worked for Me!

- Maria Cavezza, BA '92 (Geography), Consultant Mi-Jung Lee, BA '88 (English), Reporter/News Anchor, BCTV
- Liz Grant, BA '84 (Psychology) , Human Resources Consultant, Partner/Geode Consulting Group John Gray, MA '72 (Theatre),

Actor and Playwright

12:30 - 1:30 pm SUB Auditorium

Sponsored by the UBC Alumni Association, The Faculty of Arts and the Arts Undergraduate Society

UBC Artsfest '96

Composers Fest. Chamber Music with UBC Contemporary Players and guest artists. Music recital hall, 12:30pm. Call 822-5574.

UBC Artsfest '96

Public Speaking, Short Story And Poetry Contest With \$1,350 In Cash Prizes, Buchanan Bldg, Penthouse, Public Speaking 12:30pm, Short Story 2pm, Poetry 3:30pm. Rules and deadlines call 221-4366.

UBC Artsfest '96

Thirst by Eugene O'Neill. Frederic Wood Theatre. 12:30pm. Continues Feb. 9 at 4:30pm and 10 at 12:30pm. Free.

UBC Artsfest '96

Never Swim Alone by Daniel MacIvor. Frederic Wood Theatre. 4:30pm. Continues Feb. 9 at 9:30pm and 10 at 4:30pm. Free.

UBC Artsfest '96

Video Screening Of Films By UBC Film Students. Frederic Wood pital/HSC, Koerner Pavilion, G279, 12:30-1:30pm. Free. Call 822-9595.

Colloquium

Movement And Fragmentation In Modern French Literature. Professors and Graduate Students in Depts. of French and German. Buchanan Tower 7th floor lounge, 9:20am-4:30pm. Call 822-2879 or 222-1623.

Grand Rounds

Lung Inflammation In Childhood Asthma. Dr. Alexander Ferguson, Dept. of Peds/Allergy. GF Strong auditorium, 9am. Call 875-2307.

Health Care and Epidemiology Rounds

TBA. Dr. Glyn Fox, head, Risk Assessment, Environmental Protection Dept., BC Ministry of Environment, Lands & Parks. Member: Contaminated Sites Soil Task Group. Mather 253, 9-10am. Lecture free. Paid parking available in B Lot. Call 822-2772. Gym A, 12:30-1:30pm. No fees. Drop-ins and regular attendees welcome for friendly competitive games. Call 822-4479 or e-mail: kdcs@unixg.ubc.ca.

Art Gallery

The Morris and Helen Belkin Art Gallery. Current exhibition, Rodney **Faculty Development** Would you like to talk with an experienced faculty member, one on one, about your teaching concerns? Call the Centre for Faculty Development and Instructional Services at 822-0828 and ask for the Teaching Support Group.



THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Graduate Studies Dean

Outstanding candidates are sought for the position of Dean of the Faculty of Graduate Studies to take office July 1, 1996. The appointment is normally for a six-year term and may be renewed. The Faculty of Graduate Studies and Graduate Council (chaired by the Dean) supervise more than 6,000 graduate students in about 90 areas. The Dean is currently responsible for the administration of the School of Community and Regional Planning; a number of interdisciplinary programs, research institutes and centres; several academic journals and two residential colleges.

The search is limited to candidates within UBC. The successful candidate will be a scholar with an international reputation in a field of academic or professional scholarship. She or he will have proven administrative ability and will be dedicated to excellence in teaching and graduate supervision. The Dean will provide dynamic leadership for the Faculty and for the University in general.

Applicants should send a letter describing their interest in the position, a curriculum vitae and the names and addresses of three references to Dr. Daniel R. Birch, Vice-President Academic and Provost, Office of the President, 6328 Memorial Road, Campus Zone 2. Nominations should be sent to the same address. The deadline for applications and nominations is March 1, 1996.

The President's Advisory Committee for the Selection of a New Dean for the Faculty of Graduate Studies is concerned about the under-representation in administration of women, aboriginal people, visible minorities and persons with disabilities and welcomes all qualified applicants, especially members of these designated employment equity groups.

Forum

Growth without pollution

By Dr. David V. Bates

David Bates is an emeritus professor of medicine. Dr. Bates addressed the Vancouver Habitat II Colloquium last fall in advance of the Second UN Conference on Human Settlements (Habitat II) to be convened in Istanbul in June 1996.

The Lower Mainland knew that it had a serious air pollution problem when, on Sept. 3rd, 1988, at 4 p.m., ozone levels in the Fraser Valley reached 212 parts per billion. Such a high level was totally unexpected. It is easy to miss such events because the highest ozone concentrations are reached some miles downwind from where the significant emissions - mostly oxides of nitrogen from transportation - occur.

Such ozone levels hurt plants and people. In a study of farm workers in the Fraser Valley in the summer of 1993, it was shown that the ozone level (at about 70 parts per billion) was seriously reducing their maximum lung capacity.

"We don't have to look very far to answer the question of why people are driving more..."

- David Bates

Since between 1985 and 1992, population in the Lower Mainland has increased 20 per cent and the trips by car drivers have increased by more than 40 per cent. Vehicle miles travelled have consistently exceeded the growth in population.

We don't have to look very far to answer the question of why people are driving more: with both parents working, car trips to day-care centres become obligatory; young families find that they have to live further away from their work to avoid excessive mortgages; and concern for child safety usually involves parental car journeys.

The Greater Vancouver Regional District, in concert with the Fraser Valley Districts and with the provincial government, has taken some significant steps to try to reduce vehicle emissions. The AirCare initiative (generally ridiculed by the media when it was introduced) has revealed that significant numbers of new cars have emissions higher than their design specifications; and the correction of this in both old and new models has lowered emissions.

Efforts have been made to reduce single driver commuting trips by vanbe reduced as the size of the fleet increases. If air pollution is allowed to get worse, we will have to meet increasing costs incurred as a result—these include human health costs and reduced agricultural productivity.

What more should we be doing?

There are significant ways of reducing single occupant vehicle trips that we have not yet adopted. Our roads can be made more friendly to cyclists. We can urge mandatory testing of heavy diesel vehicles which are responsible for a disproportionate amount of the fine particle pollution.

We can also hope that the Ballard Fuel Cell being developed in North Vancouver. will provide a commercially competitive zero emission bus. When it does so, we should insist that our transit authorities invest heavily in it.

We can support the California initiative to mandate the introduction of zero emission cars, and make sure that if and when these become available, we are not denied the opportunity to purchase them.

Although effective planning to reduce air pollution requires that we think of the whole region as one "airshed," individual communities and municipalities are reluctant to relinquish any of their sovereignty to permit effective land use planning and transportation policy for the region as a whole.

"Growth without Pollution" is presumably what we mean when we talk about a sustainable environment. There is no doubt that a real threat to attaining this is the fiercely defended, autonomous decision-making of different parts of the whole. No one seems to have any solution to this problem with the result that whole regions can suffer a progressive deterioration in air quality because collaborative planning did not occur. As the complexity of regional air pollution problems becomes clearer, we learn that solutions must be planned and implemented at the local level. Dependence on a distant central government for environmental protection has, over the past few years, been somewhat (some would say entirely) discredited. This is why we cannot evade our own responsibility for taking the necessary measures to prevent an unacceptable degradation of our air quality.

Task Force on Health

On May 17, 1995 Senate passed the following recommendation:

That the Vice-President Academic and Provost be requested to establish by September 1995, a task force with appropriate staff support and financial resources to examine the administrative organization of studies in human health at the University of British Columbia and to make recommendations, as appropriate, to the Vice-President Academic and Provost and to Senate by December 1996.

Terms of Reference

- 1. To evaluate the current missions and directions of the various health sciences faculties, schools, departments and programs in light of changes in health care education and practice.
- 2. To evaluate the effectiveness of the health sciences faculties, schools, departments and programs in meeting their current teaching, research and service objectives and their potential in meeting their future objectives.
- 3. To evaluate the success of the Office of the Co-ordinator of Health Sciences in enabling the health sciences faculties, schools, departments and programs to collaborate appropriately in the education of human health professionals.
- 4. To determine whether the current administrative structures require further modification in order to meet these missions and academic objectives.
- 5. To report the findings at the January 1997 Senate meeting.

The membership of the Task Force has been established as listed below:

<u>Dept.</u>

<u>Name</u>

Prof. Bonita Long Dept. of Counselling Psychology Prof. Morris Barer Centre for Health Services & Policy Research Dr. Julvet Benbasat Science One Program Prof. Bernie Bressler Dept. of Anatomy Prof. Bob Evans Dept. of Mechanical Engineering Prof. Lawrence Green Institute of Health Promotion Research Dept. of Family Practice Prof. Carol Herbert Faculty of Dentistry Prof. Michael MacEntee Faculty of Pharmaceutical Sciences Prof. Kathleen MacLeod Prof. Katharvn Mav School of Nursing Prof. David Measday Faculty of Science Faculty of Education Prof. Pat Vertinsky Prof. Elvi Whittaker Dept. of Anthropology & Sociology Mr. Uli Rauch Dept. Of Anthropology & Sociology Ms. Smita Sugwekar Faculty of Pharmaceutical Sciences

The Task Force welcomes comments on any aspect of studies in human health, as mandated, from all members of the academic community.

Submissions may be sent to the Chair of the Task Force:

Prof. John H.V. Gilbert Coordinator of Health Sciences 400-2194 Health Sciences Mall Vancouver, B.C. V6T 1Z3 e-mail: johnhvg@unixg.ubc.ca Fax: 822-2495 Tel: 822-5662 pooling arrangements and plans have recently been published for more transit initiatives on an ambitious scale. Proposed initiatives include extensions of rapid transit, expansion of the bus and trolley fleet from 930 to more than 1,200 and expansion of the articulated bus fleet from 21 to 160 by the year 2006. It is obviously not sufficient, however, to expand public transit without dealing with emissions from vehicles. It seems likely that the population of the Lower Mainland will continue to increase and that car use will continue to increase disproportionately. If air pollution is not to worsen, emissions per vehicle must

αP

Deadlines 1996

| DEADLINE AT NOON | Publication Date | Vol./ Issue | CALENDAR COVERS PERIOD: |
|---------------------|---------------------|----------------|----------------------------|
| Tues. Jan. 2 | Jan. 11 | 42/01 | Jan. 14-Jan. 27 |
| Tues. Jan. 16 | Jan. 25 | 42/02 | Jan. 28-Feb. 10 |
| Tues. Jan. 30 | Feb. 8 | 42/03 | Feb. 11-Feb. 24 |
| Tues. Feb. 13 | Feb. 22 | 42/04 | Feb. 25-Mar. 9 |
| Tues. Feb. 27 | Mar. 7 | 42/05 | Mar. 10-Mar. 23 |
| Tues. Mar. 12 | Mar. 21 | 42/06 | Mar. 24-Apr. 6 |
| Tues. Mar. 26 | Apr. 4 | 42/07 | Apr. 7-Apr. 20 |
| Tues. Apr. 9 | Apr. 18 | 42/08 | Apr. 21-May 4 |
| Tues. Apr. 23 | May 2 | 42/09 | May 5-June 15 |
| Tues. May 14 | May 23 | 42/10 | no calendar |
| Tues. June 4 | June 13 | 42/11 | June 16-July 13 |
| Tues. July 2 | July 11 | 42/12 | July 14-Aug.17 |
| Tues. Aug. 6 | Aug. 15 | 42/13 | Aug. 18-Sept. 7 |
| Mon. Aug. 26 | Sept. 5 | 42/14 | Sept. 8-Sept. 21 |
| Tues. Sept. 10 | Sept.19 | 42/15 | Sept. 22-Oct. 5 |
| Tues. Sept. 24 | Oct. 3 | 42/16 | Oct. 6-Oct. 19 |
| Mon. Oct. 7 | Oct. 17 | 42/17 | Oct. 20-Nov. 2 |
| Tues. Oct. 22 | Oct. 31 | 42/18 | Nov. 3-Nov. 16 |
| Mon. Nov. 4 | Nov. 14 | 42/19 | Nov. 17-Nov. 30 |
| Tues. Nov. 19 | Nov. 28 | 42/20 | Dec. 1-Dec. 14 |
| Tues. Dec. 3 | Dec. 12 | 42/21 | Dec. 15-Jan. 11 |

For further information please contact UBC Reports at Public Affairs Office. Phone 822-3131. Fax 822-2684. 310-6251 Cecil Green Park Road, Vancouver, BC, V6T 1Z1.

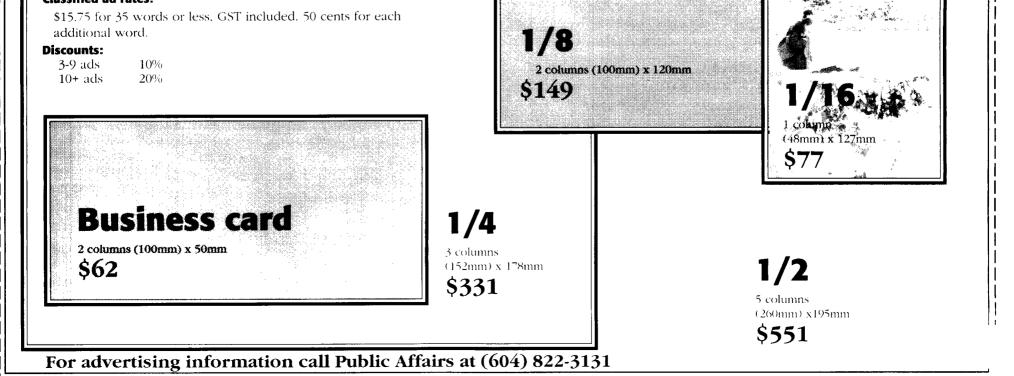
Calendar

UBC Reports carries a two-week calendar of UBC-sponsored events in each issue. Submissions are published free of charge and are accepted from all UBC departments. To appear in the pertinent issue, submissions must be received by the deadline for that issue as noted in the accompanying Deadlines section. To submit an event for publication, please: 1. Type or clearly print your submission on the following form and limit it to 35 words. 2. Fax this form to the Public Affairs Office at 822-2684. It is the submitting department's responsibility to ensure that all information is correct. Event: Lecture Seminar Workshop Concert (circle one) Other -Date(s): Title: _ Speaker(s):_ (please specify: name, title, department and other affiliations) _____ Room #: ___ Building: _____ Tel. # for information: ____ Time: ___ Additional Information: _ (fees, refreshments, etc.) Submitted by: Name _ Department _ Telephone

For further information please contact UBC Reports at Public Affairs Office. Phone 822-3131. Fax 822-2684. 310-6251 Cecil Green Park Road, Vancouver, BC, V6T 1Z1.

BC REPORTS Advertising Rates 1996

| Circulation: 37.000 | |
|--|-------|
| Distribution: Twice monthly on the UBC campus and in <i>The Courier</i> on Vancouver's West Side except, once a month in J July, August and December | June. |
| Mechanical Requirements | |
| Page Size: 260mm (W) x 390mm (H) (10.25" x 15.5") Columns: five per page Black and white copy only | |
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News Digest

The Dept. of Animal Science in the Faculty of Agricultural Sciences is seeking support to establish an endowed chair in Animal Welfare.

The chair will provide leadership in promoting education and original research concerning the welfare and care of domestic animals, and wildlife species in captive and natural settings.

Focusing on animal welfare issues arising from handling, health. housing, nutrition and transportation of animals, the chair will also promote alternatives to the use of animals for testing and research. For more information, call 822-2794 or fax 822-4400.

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All third- and fourth-year undergraduate students and graduate students at UBC are invited to enter a new essay writing contest offering a \$1,000 cash prize for the best original composition on the responsible use of freedom.

Entries must be approximately 3,000 words, typewritten, double-spaced and submitted in triplicate.

A committee of faculty and emeritii will judge the essays. Application forms are available by writing to: #1509 - 1450 Chestnut Street, Vancouver, B.C. V6J 3K3. Deadline for submissions is May 31.

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Women on campus are invited to participate in a two-day event designed to unite them in an exploration of their spirituality and provide inspiration and companionship.

Women & Spirituality Dialogue '96 takes place Feb. 23 and 24 at the Vancouver School of Theology located on campus at 6000 Iona Drive. Registration is required. For more information, call 822-4671 or fax 822-4714.

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The Dept. of Chemical Engineering and the Dept. of Bio-Resource Engineering will merge to form the Dept. of Chemical and Bio-Resource Engineering.

Approved by the UBC Senate Dec. 13, the merger will take effect by April 1, 1996.

The merger will allow the departments to combine their efforts in subject areas such as environmental engineering, bioprocessing and biotechnology, as well as offer students a wider choice of electives.

The new department will offer two distinct and accredited undergraduate programs leading to BASc degrees in Chemical Engineering and in Bio-Resource Engineering. It will be housed in the new Chemical Engineering/Bio-Resource Engineering building after its completion in 1997.

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Vancouver Hospital and Health Sciences Centre is opening its doors to the public for tours of the first three floors of the Laurel Pavilion, its new tower at 899 West 12th Ave.

A wide range of equipment ranging from imaging machines to computer models dealing with genetics will be on display and staff members will be on hand to answer questions.

The open house will be held Saturday, Jan. 27 and Sunday, Jan. 28 from noon until 4 p.m. For more information call 875-4838.

Classified

The classified advertising rate is \$15.75 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Public Affairs Office, 310 - 6251 Cecil Green Park Road, Vancouver B.C., V6T 1Z1, accompanied by payment in cash, cheque (made out to UBC Reports) or internal requisition. Advertising enquiries: 822-3131.

The deadline for the February 8, 1996 issue of UBC Reports is noon, January 30.

Accommodation

Services

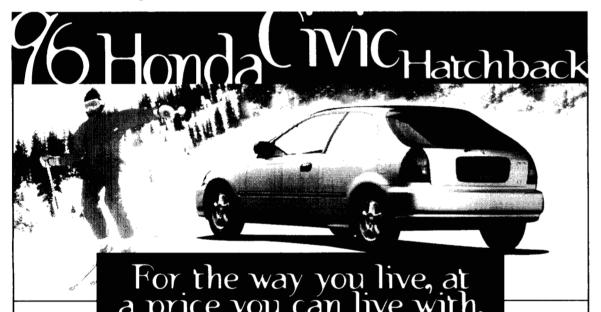
WORD PROCESSING/TYPING Secretarial services at reasonable rates: letters, essays, theses, reports, manuscripts, novels, etc. 30 years experience. APA specialist. 228-8346.

FACULTY PENSION and RRSP Asset Allocation Service. Let me remove the worry and hassle of making your pension and RRSP investment decisions! I use sophisticated computer software to analyse your investment personality and retirement aoals to optimize your entire retirement portfolio. Call Don Proteau, B.Comm., R.F.P. at 687-7526 to receive a free Asset Allocation Kit. References available, RETIRE EARLIER WITH MORE!

TIAA-CREF Members. Arm yourself with the information you need to make the best investment decision. Call Don Proteau at 687-7526 and ask for the Asset Allocation Kit.

Employment

A REGISTERED ENVIRONMENTAL CHARITY whose focus is restoration, is looking for a public relations manager. Applicants must have good communication skills, fundraising experience and a vehicle. Preliminary volunteering essential. Excellent career opportunity. Send resumes in confidence to: P.O. Box 2846, V.M.P.O., Vancouver, B.C. V6B 3X2. Attention: B. Siodmok.



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

TINA'S GUEST HOUSE Elegant accom. in Pt. Grey area. Minutes to UBC. On main bus routes. Close to shops and restaurants. Inc. TV, tea and coffee making, private phone/fridge. Weekly rates available. Tel: 222-3461. Fax:222-9279

GREEN COLLEGE GUEST HOUSE Five suites available for academic visitors to UBC only. Guests dine with residents and enjoy college life. Daily rate \$50, plus \$13/day for meals Sun.-Thurs. Call 822-8660 for more information and availability.

VANCOUVER/CENTRAL RICHMOND 3 bedroom, 2 baths, furn. condo, 20 min. to UBC, 7 appliances, insuite laundry, mtn view, close to shopping, park, theatres, pools, etc. Available Apr-Aug/96, non-smokers, \$1200/ mo. (604)231-0631.

2 FURNISHED BEDROOM basement suite close to UBC gates, on bus route, own entrance, available Feb. 1. Nonsmoker, no pets. \$800 incl. utilities. 224-6274.

FOR RENT LARGE 5+ BEDROOM HOUSE, West Point Grey, inlaw suite, garage, recently painted, carpeted inside. Seek clean responsible renters, non-smoking, no pets. \$1730 monthly includes lawn care, utilities extra. Available March 1. Call 222-2492

Accommodation

ARBUTUS GROUND LEVEL one bedroom suite. NS. NP. Hydro included. \$570 per month. Available February 1. Phone 732-3190.

FULLY FURNISHED HOUSE in Richmond, 1/2 hour from UBC, 3 bedrooms, 2 1/2 baths, study, garage, fenced-in backyard, close to shopping and schools. No pets, non-smoking. Available June 1/96 for 12 months. \$1,600/ month + utilities. Call 271-0839.

BEAUTIFUL HOME AT KITS beach, fabulous views, completely remodelled, 2 bedrm +, library, f/ p, hdwd floors. Available Feb 15 Aug 15. \$2100/mo. partially furnished, \$2400 fully furnished. Contact Mark Schneider 682-7751. ext. 25.

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PLEASANT, BRIGHT APARTMENT Comfortable one BR apartment with patio, fully furnished and close to UBC. Available for three months or longer from mid-February. Reasonable rent in return for taking care of two affectionate cats. Please call Thomson, 228-8825.

Housing Wanted

WANTED: HOUSE TO RENT Small family seeking 3 bedroom home in quiet neighbourhood close to UBC. Looking to rent long-term, starting in the spring of `96. Nonsmokers, professional, very clean, quiet, responsible and trustworthy. Will care for garden and yard. References available. Please call Cindy at 533-0443.



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T-bird notes

by Don Wells Thunderbird Athletics

Athletes up for awards

Win graciously, don't brag, don't rest on laurels-these are the most common axioms of sport. However, it has also been said that rules are meant to be broken, so surely UBC's Athletic Dept. can be forgiven for, well, boasting just a teeny weeny bit every now and then.

These days, it's the upcoming Sport BC Awards Banquet, Mar. 5 at the Hyatt Regency, that has some coaches swaggering and strutting up and down the halls of the War Memorial Gym offices.

Seven present and former T-Birds are up for provincial awards in five separate categories despite the fact that under Sport BC guidelines universities are only allowed to nominate in the category of College/University Athlete of the Year. All-Canadian football receiver Andrew English and swimmer Sarah Evanetz have both been named finalists in that category along with University of Victoria field hockey player Brenda Lannard. Evanetz, currently ranked 13th in the world in the 100-metre butterfly, was last year's winner and is considered by many to be an obvious repeat winner at the 30th annual gala dinner. English, however, led the entire country in scoring this

year and is also a strong candidate for top honours.

Past winners in the College/ University category include UBC gridiron standouts Glenn Steele (1982) and Mark Norman (1986); basketball scoring machines **Ron** Thorsen (1971) and J.D. Jackson (1990); high jumpers Wilf Wedman (1967, 68) John Beers (1972), Rick Cuttall (1975) and Jeannie Cockcroft (1985); volleyball's Betty Baxter (1974); soccer player Ken Whitehead (1976); rugby star Preston Wiley (1979); gymnast Patti Sakaki and backstroke specialist Kevin Draxinger (1991).

UBC swim coach Tom Johnson is a finalist in the Coach of the Year category, as is long-time assistant track coach Mike Murray. Johnson will be taking Evanetz and company to Halifax in early March to defend their national title at the CIAU Championships. The hardware given to last year's Coach of the Year is currently resting in the office of UBC soccer coach Dick

Mosher.

One of three finalists for High School Athlete of the Year is UBC volleyball player Brett Dravinskis. The 18 year-old firstyear science student starred in volleyball, basketball, rugby and track and field last year at Kelowna's KLO Secondary. Up for Official of the Year is UBC Gymnastics coach Jeff Thomson, a well-travelled veteran who has officiated extensively at the international level.



Finally, Human Kinetics graduate **Tracey Lipp** is a finalist in the Senior category along with cycling's Alison Sydor and speed skater Neil Marshall. The 23-year-old Tsawwassen native is continuing her pursuit of a spot on the LPGA tour having won the 1994 BC and 1995 Canadian Amateur Women's Golf Championships as well as a total of three NCAA Tournaments during her four years as a T-Bird.

And although men's basketball coach Bruce Enns is a former Sport BC Coach of the Year, neither he nor any of his players are finalists in any category. That sits just fine with Enns and his team, however, as they have their eyes on another prize: the Canada West Men's Championship.

Victory at the conference level guarantees the 'Birds a trip to the nationally televised CIAU Men's Basketball Championships Mar. 15-17 at the 11,000 seat Metro Center in Halifax. UBC, currently ranked fourth in the nation, is having a stellar season and is in a battle for first place and home court advantage for the conference championships which begin Feb. 23. As usual, that won't be decided until the T-Birds finish off their regular season scheduled Feb. 17 at home against the traditional cross-strait nemesis from the University of Victoria.

People

by staff writers

ans Schreier, a professor in Resource Management and Environmental Studies and in Soil Science in the Faculty of Agricultural Sciences, is one of five Canadian scientists being honored by the International Development Research Centre (IDRC) for significant contributions and dedication to the world of science.

A UBC graduate, Schreier joined the university as a faculty member in 1979. A mountain soil specialist, he is acclaimed for demonstrating that a personal computer-based geographic information system could be used as an effective tool for managing resources in Nepal-work which was heralded by the IDRC as helping that country develop reforestation, agriculture and irrigation projects, among others.

Schreier is currently working on a project to introduce sophisticated computer technology into Nepal as part of a joint Canadian-Nepali project to evaluate Nepal's natural resources.

In addition to natural resources inventories and evaluation, Schreier's research interests include geographic information systems techniques, environmental assessments, water quality, land-water interactions and watershed evaluations.

He will receive a certificate from the IDRC, signed by Prime Minister Jean Chretien, and a special edition of In Person, one of two books published by the IDRC in celebration of its 25th anniversary.

Schreier's work is profiled in a chapter of the publication which highlights scientists of significant accomplishment whose work has largely gone unheralded in developed countries.

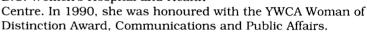
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aw Dean Lynn Smith has been elected chair of the Law Foundation of British Columbia for a two-year term. Smith, who earned her law degree from UBC, joined the university as a faculty member in 1981. Her major scholarly

work has been in the areas of equality and human rights, advocacy, feminist legal theory, constitutional law and civil procedure.

She is a past director of the Women's Legal Education and Action Fund (Canada) and former chair of the national committee of the Canadian Bar Association on equality rights.

A member of the National Forum on Health, she is the past chair and a current director of the board of the B.C. Women's Hospital and Health



Smith was appointed Queen's Counsel three years ago. In 1994, Canadian Lawyer magazine listed her among the nation's 20 most powerful lawyers.

The Law Foundation of British Columbia is a non-profit organization which provides financial support for legal research, law reform, legal education, legal aid and law libraries. Smith has served as a governor of the foundation since 1990.

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dult Education Prof. Emeritus Gordon Selman received an honorary degree from St. Francis Xavier University in Antigonish, N.S. on Dec. 2.

Selman, who received his undergraduate degree, Master of Arts degree and teaching training diploma from UBC, served as a faculty member and administrator at the university for 40 years, including a term as associate director of the Extension Department.

A founding member of the Vanier Institute of the Family in 1965, he also served as vice-president of the United Nations Association in Canada and was president of the association's Vancouver branch.



Smith

THE UNIVERSITY OF BRITISH COLUMBIA Associate Vice-President Academic

Call for Applications and Nominations

Applications and nominations are invited for the position of Associate Vice-President, Academic. Dr. William A. Webber completes his term July 1, 1996 and that is the preferred starting date for the new appointee. Applications should be accompanied by a curriculum vitae and the names of three referees. (Nominees will be approached by the Provost so documentation is not required at this time.)

Reporting to the Vice-President Academic and Provost, the AVP Academic is responsible for:

- overseeing the process by which faculty and other members of the academic staff are considered for appointment, tenure and promotion
- serving as secretary to the Senior Appointments Committee
- defining and implementing information and process support systems for academic personnel matters
- overseeing various faculty development activities including the Centre for Faculty **Development and Instructional Services**
- chairing the Advisory Committee on the Teaching and Learning Enhancement Fund
- implementing faculty, librarian and program director compensation and benefit policy in collaboration with Human Resources and Financial Services
- advising and consulting on policy development, particularly as it applies to faculty
- advising Deans, Heads, Directors and individual faculty members on policy and procedures related to faculty
- serving as a member of the team for day-to-day liaison and for negotiations with the Faculty Association

Carrying out these responsibilities entails teamwork with the Academic Vice-President and Provost; the Associate Vice-President, Academic and Legal Affairs; the Associate Vice-President, Equity; and the Vice-Provost. Duties may be shared or reassigned from time to time.

Applications and nominations should be forwarded by February 23, 1996, to Dr. Daniel R. Birch, Vice-President Academic and Provost 6328 Memorial Road, V6T 1Z2

Selman was cited at St. Francis Xavier University's convocation ceremony for his work as a prolific published scholar, a teaching practitioner and a leader of professional organizations. A specialist in the history of adult education in B.C. and Canada, Selman's research interests also include institutional, policy and professional development in the field.

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raduate student **Peggi-Lynn Clouston** is the 1995 recipient of the \$5,000 ENCON endowment, the Canadian Council of Professional Engineers announced in December.

Clouston, a member of the Association of Professional Engineers and Geoscientists of B.C., is working on a PhD in Wood Science.

She is focusing on development and verification of a micromechanics-based model to analyse the structural behaviour of a parallel strand wood composite. She is concerned with understanding and predicting wood composite failure and implementing this knowledge to design against structural damage or collapse.

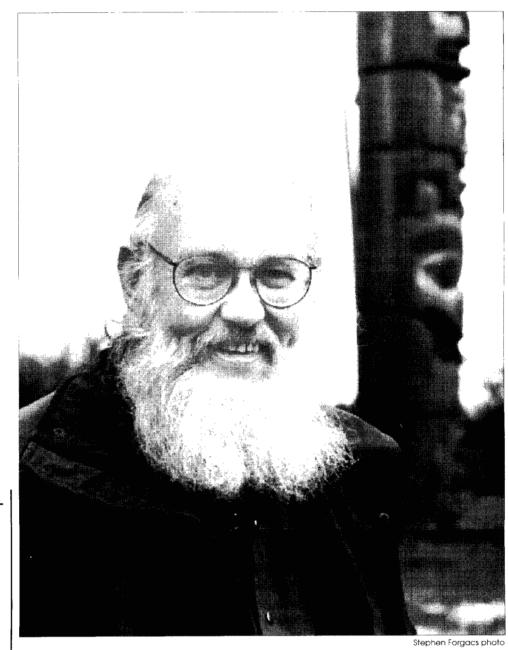
The ENCON endowment provides assistance to engineers wishing to pursue studies in the area of engineering failure investigation and/or strength of materials.

Clouston graduated from UBC in Civil Engineering in 1989.

Profile

Achieving a natural balance

Conservation and economics can work hand in hand, says Fred Bunnell



by Stephen Forgacs

Staff writer

hen Fred Bunnell was 16 years old he decided he'd rather live in a cabin among the trees on Vancouver's North Shore than join his peers in high school classes.

His early desire to minimize human contact ultimately steered him into forestry as a career path, a path that recently led him to the heart of B.C.'s highest profile environmental controversy—Clayoquot Sound.

Bunnell won't hesitate to tell you that for a good part of his life he was more comfortable around trees than people.

Now, as a professor of forest wildlife ecology and management, director of UBC's Centre for Applied Conservation Biology, and recent co-chair of the Scientific Panel for Sustainable Forest Practices in Clayoquot Sound, he is surrounded by both people and trees.

Student interest in conservation biology has grown rapidly in past years—so rapidly that Bunnell can't say off hand exactly how many students are doing their studies through the centre. He alone has 14 graduate students working under his supervision. Like his faculty members, who are housed in five separate buildings on campus, his students are also spread across campus. From living on his own in a cabin in the woods to building consensus at Clayoquot, Fred Bunnell has sought to find ways to bridge the gap between human beings and the world around them.

Canadian foresters were responsible and all of a sudden the goal posts changed."

The centre promotes conservation of biological diversity while maintaining economic development. Beyond its rapidly growing graduate program, the centre is also closely linked to a Faculty of Forestry undergraduate program in Natural Resource Conservation, and offers short courses for professional foresters, resource managers and the public.

he centre's graduate students and faculty are working on a wide range of research projects that include everything from large mammals and grassland lichens to simulation modeling. One group is scrutinizing a 36-square-mile plot of Alberta forest land. "One student is working on weasels, one on frogs and toads, and one is using decision-support tools that we have developed to examine biological and economic tradeoffs and consequences when you implement a particular management plan," says Bunnell, illustrating the diversity of activity underway. Bunnell's education and work experience have left him well able to deal with diversity, biological and otherwise. While living on the slopes of Hollyburn Mountain as a teenager, he completed high school by writing the provincial government's supplementary exams and won a scholarship to UBC. In 1965 he graduated from the Faculty

of Forestry at the head of his class and chose a Swiss technical university over Yale and Berkeley.

But it was the mid-60s and, after 18 months in Switzerland, the appeal of Berkeley won out and he enrolled in a multidisciplinary PhD program there.

His PhD encompassed the fields of forestry, zoology, botany, electrical engineering and computer science. "When they said multidisciplinary, what they meant was that you got examined in each and every discipline. Although he didn't succeed in getting police and students to see eye to eye at Berkeley. Bunnell says his more recent experience in consensusbuilding as a Quaker helped keep the Clayoquot panel on track.

"The panel was very enriching in that regard. The four First Nations members of the panel told us at the end they hadn't expected to last beyond the first meeting. But we did manage to create an environment in which we could be frank with each other and listen respectfully," he says.

layoquot Sound has been at the forefront of environmental controversies in B.C. for several years as environmentalists, industry and the government debate how much of the area should be harvested or preserved.

The panel, a group of 19 scientists charged with making forest practices in Clayoquot Sound the best in the world, issued its fifth and final report in May last year.

"It's probably the most complete description of a piece of land anywhere in B.C. or North America," Bunnell says of the report, adding that implementation of the recommendations does not come without problems. "There are no trees falling in the Clayoquot now. So that means the IWA (International Woodworkers of America) members are not doing anything. Those are real people, real mortgages, real kids, and they're getting pretty antsy." The Clayoquot panel and decades of involvement with conservation issues have given Bunnell a unique perspective on the way society views natural resources and its relationship with the environment. "Maybe some of the problems we have, such as holes in the ozone and acid rain, wouldn't be as bad if we'd considered ourselves as part of the system," says Bunnell. "But sometime in our history we became 'unnatural.' "We really have to come to grips with our relationship with nature. And we've got a hell of a long way to go."

This growth, says Bunnell, comes largely as a result of the environment's surge to the forefront of political issues during the past decade and because the unique expertise gained through his area of research suddenly came into great demand.

"We had always been directing a portion of our research at how to get wood harvested and still keep the wildlife there. Through this we learned to speak the forester's language as well as the biologist's, which gave us some credibility," he says.

"Then the need for our particular set of skills came. In 1992, the Earth Summit in Rio de Janeiro led to four international agreements which hugely expanded the range of values for which It was gruelling, gruelling, gruelling," he says.

He still found time to get involved in the range of extracurricular activities on campus at the time. He brought black activist Eldridge Cleaver in to talk to the Faculty of Forestry — "It wasn't a huge success"— as well as a Dow Chemical representative who stood in front of the class and ate spoonfuls of the pesticide DDT to demonstrate it wasn't harmful.

Bunnell also got involved with the Vietnam protests on campus.

"My old man called me once from Vancouver. He'd seen me getting clubbed on TV. I'd go down and stand between the demonstrators and the police." says Bunnell, who is a Quaker now and has always supported nonviolence. "I'd just talk to both sides and then I'd stand in between them, so it meant the first guy to get clubbed was always me."