UBC

The University of British Columbia
Vancouver, British Columbia
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Students face eviction from Cariboo

By GAVIN WILSON

An all-student campus housing committee has recommended that two male residents of Cariboo House be evicted from residence for their part in an incident last month in which women in Place Vanier received obscene and threatening letters.

The committee, made up of two male and two female students and a male chairperson, also recommended that two other Cariboo House students receive three demerit points.

It was also recommended that nearly all of the remaining 18 Cariboo House residents accused of involvement in the incident were given two demerit points.

The students had 72 hours in which to appeal the committee's recommendations.

The committee made the recommendations after a lengthy hearing on Oct. 28. The committee soperates under the terms of the contract in which students are admitted into residence and can reprimand, assign demerit points or go as far as recommending eviction from the residence, if students violate standards of behavior.

Accumulation of four demerit points is an automatic eviction, pending appeal. It was not immediately known if any of those students receiving two or three points had previous penalties which would now up their total to the eviction level.

Committee recommendations went to Vanier residence coordinator Carl Cooper, who could either accept or appeal the decision.

"If either side is unhappy with the result, they have grounds to appeal the decision to the assistant director of housing," Cooper said earlier.

In addition to the housing committee hearing, the students may face disciplinary action by UBC president David Strangway, as spelled out under the Universities Act.

"The university's and the general campus response to this incident is one of revulsion," Strangway said Oct. 15 in reaction to the incident. "We will take whatever action is appropriate when all the fact are in."

The students may also face proceedings under the university's sexual harassment policy.

Should there be a formal complaint, the policy provides for mediation, possibly followed by a formal hearing, said UBC sexual harassment advisor Margaretha Hoek.

Sexual harassment officers have already met with some of the female residents who were most upset by the invitations.

Meanwhile, an RCMP investigation of the incident is continuing and should be completed in the first week of November, said Staff Sgt. Bern Jansen of the UBC detachment.

Police will recommend whether charges should be laid at that time, he said.

About 300 female Place Vanier residents received invitations Oct. 10 to a residence tug-of-war. Many included threats of physical and sexual assault against the women if they failed to attend or if they cheered for the wrong team.

The act outraged many people on and off campus and resulted in intense media coverage. Some Place Vanier residents, however, both male and female, shrugged off the incident as a harmless prank that was blown out of proportion.

Louie appointed to Board of Governors

By CONNIE FILLETTI

Tong Louie, chairman and chief executive officer of H. Y. Louie Co. Ltd., has been appointed to UBC's Board of Governors.

Louie, a UBC graduate (Agriculture '38), is also chairman, president and chief executive officer of London Drugs Ltd., and vice-chair and director of IGA Canada Ltd.

"We are looking forward to having Mr. Louie join the board," said UBC President David Strangway. "His commitment greatly enhance the university's efforts to continue its tradition of service through excellence."

Louie was named the Entrepreneur of the Year for B.C. in 1987 and was honored by the Canadian Food Industry with the Knight of the Golden Pencil Award last year.

He is also the 1990 recipient of the Western Canada Food Industry's Astra Award.

In addition to his corporate leadership, Louie has devoted many years to community service work.

The YMCA of Greater Vancouver awarded him with the Outstanding Community Volunteer Leader Award in 1988. He was also honored by the Variety Club in 1985 with the Golden Heart Award in recognition of his fundraising efforts for various charities throughout B.C.

Among the many other community service organizations Louie is actively involved with are the Canadian Diabetes Association, Crime Stoppers of Greater Vancouver, St. Paul's Hospital and the Heart and Stroke Foundation of B.C. and the Yukon.

Louie was made a Member of the Order of Canada in 1989 and received an honorary LL.D from the University of British Columbia in 1990.

His three-year term on the Board of Governors is effective Dec. 17.

University closed Nov. 9 for Remembrance Day

UBC will be closed on Friday, Nov. 9, in observance of Remembrance Day, which falls on Sunday, Nov. 11.

No classes will be held and the university's libraries will be closed.

Food Services outlets on campus will be closed, with the exception of two residence dining rooms.

The Totem Park cafeteria will be open from 8 a.m. to 7 p.m., while the Place Vanier cafeteria will be open for breakfast from 8 - 11 a.m., lunch from 11 a.m. - 2:30 p.m., and for dinner from 4:30 - 7:00 p.m.

A Remembrance Day service, open to the public, will be held in the foyer of the War Memorial Gym on Sunday, Nov. 11, at 10:45 a.m. Rev. Paul Burns, of St. Mark's College, will conduct the service, UBC Chancellor Leslie Peterson will give the address and President David Strangway will read the scripture. Music will be provided by the UBC Brass Quintet.

Inside

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DIABETES DRUG: UBC is one of several sites world wide to test a drug that may ease complications developed by diabetics. ***Page 7***

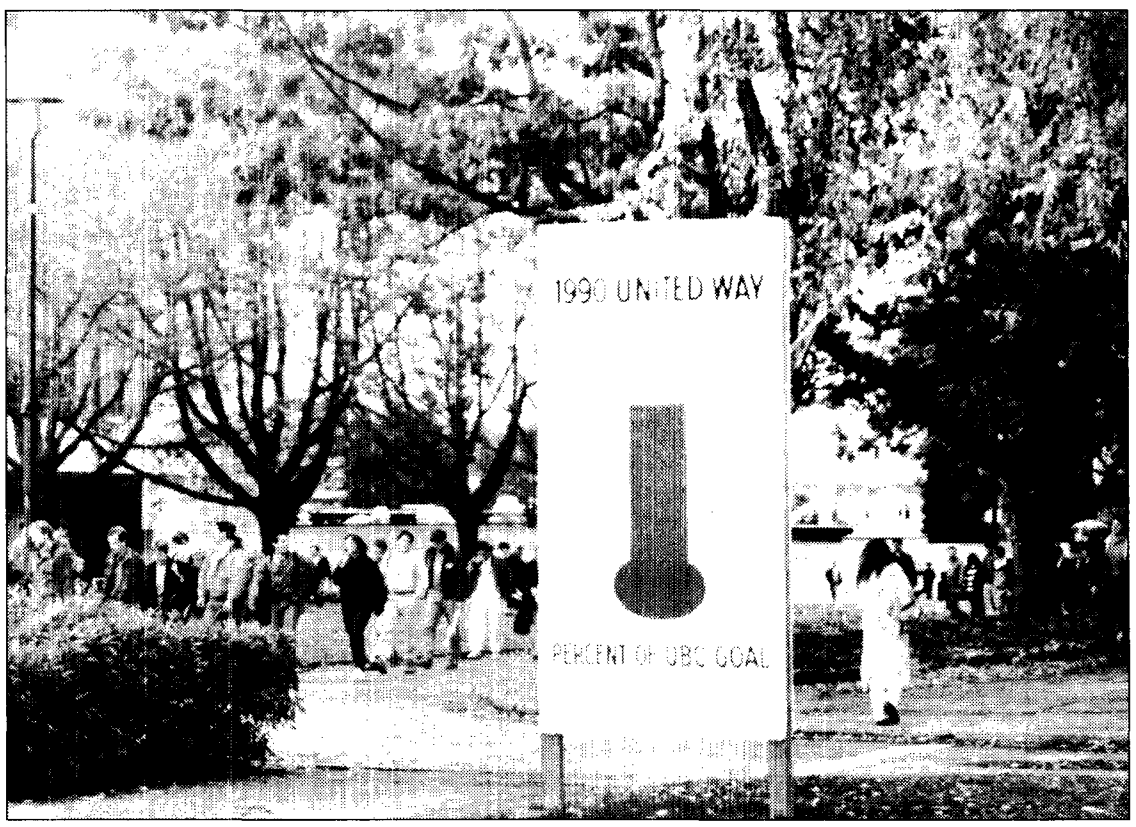

Photo by Media Services

The United Way thermometer on campus shows the campaign has achieved 70 per cent of its goal.

United Way

Campus campaign nears goal

By CONNIE FILLETTI

UBC's United Way campus campaign has raised $168,000 — about 70 per cent of its goal.

"We are still expecting to make our $240,000 target," said Jim Richards, chair of the campus campaign. "I'm confident we can do it. I would like to urge those who have not yet pledged, to consider participating in this very worthy cause."

Thirteen per cent of faculty and staff have participated in this year's fundraiser so far. Campaign officials were aiming for a 27-per-cent participation rate from the campus community by the end of the campaign.

Richards said that just over 1,000 pledges have been received and he hopes to see that number double before the final tally is done.

United Way

It's Yours

"I'm sure that the vast majority of people working at UBC contribute to charity each year," said Richards. "But many have not yet discovered that the United Way provides a unique and convenient way of making those contributions via the donor choice option and payroll deduction for monthly paid employees.

"Our campaign team is working very hard to let everyone know about the benefit of these and other features of United Way giving, no matter what charity someone might want to support."

An initial mailing and a reminder letter have been sent to employees containing information and pledge forms setting out the options for giving. For more information, call Edith Luck at 228-8905 or Cecelia Knowles at 228-8763.

Letters to the Editor

Remembrance Day flu

Editor:

I wish to protest about the latest example of our administration's total disregard for the fact that UBC is part of a wider community.

I refer to the arbitrary rescheduling of the Remembrance Day holiday to Friday Nov. 9th.

As far as I am aware, every other business or institution in the Lower Mainland is observing the traditional practise of treating the following Monday as the holiday when the day in question is on the weekend.

This poses obvious problems for the large number of staff, faculty and students who have children in school or daycare or whose families have made travel plans assuming a conventional holiday schedule.

I have also just checked with B.C. Transit that they will only be running a Sunday schedule on Mon., Nov. 12, yet we apparently expect in excess of 30,000 people to make their way to campus as usual.

I am predicting that the stress resulting from all these factors is likely to result in a high incidence of flu-like symptoms on Mon. Nov. 12.

In short, the overall disruption seems likely to far outweigh any benefits from extra Monday lectures or whatever the original justification was for the idea.

Trudy Gaylord
Department of Physics

Recycling project

Editor:

UBC has started a recycling project in order to develop a permanent, sustainable, recycling program at the University of British Columbia.

Our first objective is to achieve paper recycling throughout the entire campus, which will divert an estimated 70% of the waste currently dumped in the landfill. This will be followed by recycling of metal, glass and plastics as well as a composting program.

We are currently recycling about 35 tons of paper each month. The response from staff and students has been exceptionally good, and we hope to expand as soon as possible. We are hoping to receive final budget approval this fall from the President's Office.

We anticipate a favorable response because the UBC administration is committed to environmental responsibility and has established a Task Force to Develop and Recommend University Policies on Waste Recycling, composed of the following subcommittees:

1. Waste reduction, Re-Use and Recycling
2. Special Wastes
3. Research and Develop Sources and Markets
4. Education
5. Campus Planning
6. Transportation
7. Conversion of UBC Vehicles
8. Energy Conservation
9. Food Services
10. Agricultural and Composting.

We ask that people please be patient, as establishing a recycling program for an institution the size of UBC is a major undertaking and will take some time to achieve. We are currently working with Plant Operations to develop cooperative policies regarding paper pick-ups and the involvement of custodial staff. In addition, facilities to sort recyclable materials are being planned.

As soon as these steps are completed, we will continue expansion of the recycling program. As our resources are presently quite limited, volunteers are welcome.

For more information please call Brenda Jagroop at 228-3827 or Vincent Grant at 228-2582.

Brenda Jagroop
Waste Management Coordinator
UBC Office of Recycling &
Environmental Concerns

Emerson Dobroskay

Editor:

RE: Emerson Grant Norman Dobroskay.

At 1 a.m. on Sunday, Oct. 28, 1990, it will be exactly two years since my nephew, Emerson Dobroskay, went missing from the UBC campus. Would you please run this letter on or near Oct. 28 to renew our plea for clues and remind people of the reward money; $10,000 for Emerson's safe return OR $5,000 for information leading to Emerson's whereabouts. The UBC RCMP have yet to receive a single clue as to Emerson's disappearance. Would anyone who has ANY information please call the UBC RCMP at (604) 224-1322.

My sister, Marianne Dobroskay, went down to 78 pounds due to her heartbreak and worry about where her only child might be. On behalf of Emerson's parents, I ask your readers to send me copies of this editorial page so the family will see which papers continue to cover Emerson's story as well as the dates of the coverage. We are encouraged by your readers' prayers, letters and kind words.

A series of brain storming lectures was conducted by a private investigator last fall at the UVic, UBC and Malaspina campuses. At every lecture the students zeroed in on a rock concert that was being held above the Pit Pub. A rock group called Butt Hole Surfers was performing. Both events dispersed at 1 am on Friday, Oct. 28, 1988 and the patrons from the rock concert would have walked down the stairs and in front of the Pit Pub (where Emerson disappeared from). Would ANYONE who has more information about the rock concert or the Pit Pub PLEASE call the UBC RCMP.

We plead with the persons who know the truth of what happened that night, two years ago, to let us know if Emerson is dead or alive. It is so hard not knowing if we should be looking harder for him. We thank your readers for their prayers and help.

Teesh Backland
Ladysmith, B.C.

Inquiry on universities to meet in Vancouver

A national inquiry into Canadian university education will hold a public hearing in Vancouver on Nov. 6.

The inquiry, headed by Stuart Smith, former chairman of the Science Council of Canada, will examine the quality and relevance of university education and how it can be improved.

"We are going to focus on an aspect of universities which usually is taken for granted," Smith said. "We want to see how universities are currently monitoring the quality and relevance of their teaching programs — and we want to hear suggestions for improvement."

The inquiry was commissioned by the Association of Universities and Colleges as part of a year-long study of higher education.

The AUCC is also commissioning research into student attrition and university teaching to complement the inquiry.

The public hearings opened Oct. 17 in Quebec City and will visit eight other cities before final hearings in Ottawa Dec. 4 and 5.

The commission will make its final report to the AUCC in the fall of 1991.

Some of the topics it will examine include barriers to education, accessibility, relevance of university curricula, quality of teaching, effects of budget constraints and whether universities are meeting the changing needs of students.

Smith is being advised by a five-member panel of educators who helped set the terms of the inquiry and will act as consultants.

The commission is welcoming submissions from business, labor and parents, as well as from university and other educators.

It is especially interested in hearing from students and recent graduates.

In Vancouver, the hearing will be held on Tuesday, Nov. 6, from 9 a.m. to 5 p.m., in the York Room of the Hotel Georgia.

Victoria releases guidelines on science, technology fund

The provincial government has released guidelines for the spending of $420 million on science and technology in B.C.

The money, to be spent over five years, will come from the Science and Technology Fund announced by Finance Minister Mel Couvelier in the 1990 budget. This commitment is an increase of $300 million over 1989 funding levels.

The guideline document, Framework for Action, says a project or program must have market relevance, excellence in quality and a capable proponent in order to be eligible for funding.

"To ensure these criteria are met, there will be arms-length review of initiatives by scientific peers who are recognized experts," Bruce Strachan, Minister of Advanced Education, Training and Technology, said in a government news release.

Experts may be chosen from industry, government agencies or the scientific and academic communities.

The fund will support existing science and technology programs as well as new programs and projects under development.

Programs under the fund fall into five categories: research and development, infrastructure, human resource development, public awareness and special projects.

Already, $20 million has been earmarked to augment federal funding for research in subjects ranging from bacterial diseases to telecommunications and $22 million to enable the move of the Herzberg Institute of Astrophysics from Ottawa to the University of Victoria.

Applications for funding under any of the province's science and technology programs should go to the agency responsible for the program.

Meeting set for Committee on Women in Engineering

The Canadian Committee on Women in Engineering will hold a public forum in Vancouver, November 16.

The forum will give employers, educators, students and engineers an opportunity to present their views on the low participation of women in engineering practice and education.

The session will be held at the Engineer's Club, 640 W. Hastings, from 2 p.m. to 5:30 p.m. and 7:30 p.m. to 9:30 p.m.

Those wishing to make presentations should contact Nicole O'Gorman at the Association of Professional Engineers of B.C. at 736-9808.

The committee's first public forum was held in Ottawa on Sept. 12.

Other meetings will be held early next year in Montreal, Regina, Toronto and Halifax.

The committee is also sponsoring research into the types of practices universities and industries could use to interest women in engineering careers.

"We hope the research results will give engineering schools and employers of engineers practical techniques and program ideas that will help them improve the environment for young women wishing to work as engineers," said committee head Monique Frize.

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UBC Media Services Photography 228-4775

Photo by Media Services

With high-tech teaching tools, visiting professor Charles Kinzer demonstrates innovative, video-based literacy instruction to Vancouver school teacher Anna Giordano.

Videodiscs help teach literature and literacy

By GAVIN WILSON

Sherlock Holmes prowls the foggy streets of London. His assignment: become a high-tech teaching tool in the classrooms of the 1990s.

It's all part of a method of teaching literacy presented in a recent language education class by Charles Kinzer.

Kinzer is a graduate of UBC (B.A. '72, M.A. '76) and Berkeley who teaches at Peabody College at Tennessee's Vanderbilt University.

As a research scientist at Peabody's Learning Technology Centre, he is developing ways of using videodiscs and microcomputers as tools to help teachers better teach literature and literacy.

Kinzer said the video is used as an anchor, or shared knowledge base that both teachers and students can access during instruction.

Using movies like Young Sherlock Holmes, students can learn about the various elements of a story — character development, setting and plot structure — as well as vocabulary, cause and effect relationships and other concepts.

"It's not just entertainment. The idea is to lead the student to use the skills they can transfer to reading," said Kinzer. "We're trying to enhance reading ability, not replace reading."

Bill McLeod, one of several elementary and high school teachers enroled in the course, agrees that videodiscs have advantages over more traditional texts.

"It has the motivation of being like television and having all the gadgetry but it still uses basic instructional principles," he said.

During the course, McLeod used the Young Sherlock Holmes videodisc, linked to a Macintosh computer, to create language comprehension lessons in which students watch the first six minutes of the movie, generate hypotheses and choose scenes to illustrate concepts, and then generate and answer a series of questions. Generative learning, often in cooperative learning groups, is a key element of anchored instruction, Kinzer said.

The videodisc, which works on the same principles as the compact disc, has many advantages over the more common video cassette. For example, users can skip to different scenes instantly, without rewinding or fast forwarding. Clear freeze-framing allows for close analysis of individual pictures. And linking the videodisc player to a computer allows teachers and students to create lessons that include scanned images and recorded voices.

Schools can press their own videodiscs for as little as $300 U.S., using video initially shot using standard VHS camcorders, Kinzer said.

An important part of video-anchored instruction is its ability to teach a variety of curricula.

Again using Young Sherlock Holmes as an example, Kinzer explained it can illustrate topics such as the Victorian era, Britain, 19th century transportation, dress and education. As well as social studies, math and science can also be integrated, he said.

"It's expandable, flexible and not limited to teaching a single, narrow skill," said Kinzer.

Kinzer and his colleagues have done a series of studies that show anchored instruction to be effective. For example, stories written by students taught through video-anchors include twice the number of structural elements as those written by a control group.

It also addresses the issue of what educators call inert knowledge. Although video and non-video instructed students scored equally well in written vocabulary tests, researchers found that students taught using video anchors spontaneously used the new vocabulary in everyday conversation. The control group was able to define the words on paper and pencil tests, but did not use them in daily life.

Kinzer also uses the video technology to teach adult literacy in a project run jointly with Apple Computer and ABC News.

"We work with emerging technologies, such as voice recognition and touch screen technologies, that do not depend on having to read a screen, because this population can't read what's on the screen," said Kinzer.

The lessons combine instruction of literacy skills with information on current events, health matters and other issues, all presented through a videodisc, controlled by a microcomputer and presented in an anchored instruction format.

Gallery sponsors provocative exhibit

Art, AIDS and homophobia are the subjects of a provocative exhibition and symposium organized by the Fine Arts Gallery.

Strange Ways Here We Come is an exhibition by New York artists Donald Moffett and Felix Gonzalez-Torres. It opens Nov. 16 and continues to Dec. 22.

"Both artists make works that are engaged in a polemic about homophobia and the AIDS crisis," said gallery curator Scott Watson.

Artist Moffett, who is a member of the agit-prop collective Gran Fury, will also join Douglas Crimp and Simon Watney in a symposium titled Representing AIDS: Art and Activism.

Watney, a critic based in London, England, is the author of Policing Desire. Crimp is a New York critic and the editor of a special AIDS issue of October magazine.

The symposium will be held in the White Theatre at Robson Square Media Centre on Saturday, Nov. 17 at 3 p.m. Tickets are $5 at the door, $3 for the unemployed. Students will be admitted free.

The gallery is also mounting two related exhibitions in collaboration with the Western Front. AIDS Demographics and Looking at the Revolution: Photographs and Video include street posters and photographs of activist demonstrations. These exhibitions open at the Front Gallery on Nov. 9 and continue to Dec. 19.

UBC invades the Dome

By RON BURKE

Nestor Korchinsky wants your body.

UBC's Director of Intramural Sports doesn't care if you're a couch potato, a weekend warrior or an elite athlete. It makes no difference to him if you're a first-year UBC student living in residence or a retired office worker living in the suburbs. Whoever you are, Korchinsky wants you to participate in UBC Intramural Sports events.

To prove his point, he's mounting an invasion of B.C. Place Stadium from Monday, Nov. 12 to Friday, Nov. 16. UBC Invades the Dome is part of the annual six-event Partners in Participation program.

"Recreational sports events are a great way to bring UBC and the community closer together," said Korchinsky.

"The idea is twofold: One, to help build the bond between the community and the campus, through sports participation, and two, to increase the participation level in intramural events in general, both on- and off-campus," he explained.

Korchinsky has long wanted to expand the scope of the intramural program. The university's 75th anniversary celebrations in 1990, with the general emphasis on community participation in events and programs such as Open House and Discover Summer at UBC, provided a logical opportunity.

The invasion of B.C. Place Stadium includes competitions in field hockey, soccer, running, mountain biking and volleyball.

The Partners in Participation program kicked off in March with the UBC Triathlon and Storm the Wall. This year these two events attracted more than 3,400 participants.

This year's Arts '20 relay race was held on Sunday, Sept. 30 — UBC's 75th birthday. One hundred and ninety-five teams of eight runners covered the Vancouver General Hospital to UBC course and then celebrated the university's birthday with a pancake breakfast, cake and a barbecue on Main Mall.

October featured two more team events: the Logan Cycle 200 bicycle race and the Day of the Longboat voyageur canoe competition. The Longboat competition was a roaring success again this year, attracting more than 1,300 participants.

Korchinsky hopes UBC Invades the Dome will enjoy the same success and growth of the other Partners in Participation events. "This is a very positive way to bring the community and campus together," he said.

HISTORY OF FORESTRY AT UBC

Forestry Professor Emeritus **Harry Smith** has completed a 75th anniversary book covering the history of the department (later faculty) from 1921-1990. Smith taught in the faculty from 1950 to 1990 and the book is, as former Forestry dean Robert Kennedy writes in the foreword, his "valedictory." Copies are available for $10 from the Publications Department, Faculty of Forestry, Room 270, MacMillan Building, or by calling 228-4312.

SHERWOOD LETT SCHOLARSHIP

Another 75th anniversary book is the upcoming biography of **Sherwood Lett**, a UBC scholar-athlete who went on to become Chief Justice of British Columbia and UBC Chancellor. Lett's name is one of those, like Norman MacKenzie and Walter Gage, inextricably linked with the university's history.

As part of his legacy, the Sherwood Lett Memorial Scholarship is presented every year to a student displaying the all-round qualities exemplified by Lett: academic achievement, strength of character, physical vigour, and leadership in and service to the university and the community. This year's recipient is **Bradley Yen**, a fourth-year Commerce student.

A number of other scholarships share the criteria of the Sherwood Lett award. This year's recipients are:

Jennifer Jackson — John H. Mitchell Memorial Scholarship.

Sarah Mair — Amy E. Sauder and Jean Craig Smith Scholarships.

Sanjay Parikh — C.K. Choi Scholarship.

Nadine Plotnikoff — Harry Logan Memorial Scholarship.

Mary Katherine Tully — Special University Scholarship.

Congratulations to all the winners.

Calendar

November 4 – November 17

SUNDAY, NOV. 4

GVRD Parks Public Meeting
Update On Pacific Spirit Regional Park Management Plan. Public comments welcomed on trail use, standards, park management zones, park issues. #305-4747 Dunbar St. from 2-4:30pm. Call 224-5739.

MONDAY, NOV. 5

Paediatrics Research Seminar Series
Hemorrhage And Anemia In The Fetus. Dr. Dan Rurak, Obstetrics/Gynaecology, UBC. Refreshments at 11:45am. University Hospital, Shaughnessy Site D-308 at 12pm. Call 875-2492.

Cancer Research Seminar
Monday Noon-Hour Series: Predictive Assays Of Tumor Treatment Response. Dr. M. Joan Allalunis-Turner, Acting Dir., Radiobiology, Cross Cancer Inst., Edmonton. B.C.C.R.C. Lecture Theatre, 601 W. 10th from 12-1pm. Call 877-6010.

Biochemistry Seminar
Extracellular Peroxidases Involved In Lignin Degradation By The Basidiomycete Phanerochaete Chrysosporium. Prof. Michael H. Gold, Chemical/Biological Sciences, Oregon Grad. Inst. Science/Technology. IRC 4 at 3:45pm. Call 228-3719.

MECH 598 Seminar
Dynamic Peripheral Milling Of Flexible Structures. Erhan Budak, Ph.D. Student, Mech. Eng. CEME 1202 from 3:30-4:30pm. Call 228-6200.

Applied Mathematics Seminars
On The Numerical Solution Of Certain Classes Of Second Order Differential Equations. Dr. Simeon Fatunla, Mathematics/Computer Science, U. of Benin, Benin City, Nigeria. Math 222 at 3:45pm. Call 228-4584.

UBC Chamber Wind Ensemble
Free admission. Music Recital Hall at 12:30pm. Call 228-3113.

TUESDAY, NOV. 6

Feminist Theory Lecture
The Crisis In Current Feminist Theory. Mariana Valverde, Sociology, York U. Buchanan B-212 from 12:30-1:30pm. Call 228-5168.

UBC Faculty Women's Club General Meeting
Forestry Research. Dr. Patricia Marchak, Dean of Arts. Husbands/guests welcome. Refreshments. Cecil Green Park House at 7:30pm. Call 222-1983.

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Please recycle

CALENDAR DEADLINES

*For events in the period Nov. 18 to Dec. 1 notices must be submitted by UBC faculty or staff on proper Calendar forms no later than **noon on Tuesday**, Nov. 6 to the Community Relations Office, 6328 Memorial Rd., Room 207, Old Administration Building. **PLEASE NOTE DEADLINE CHANGE**. For more information call 228-3131. The next edition of UBC Reports wil be published Nov. 15. Notices exceeding 35 words may be edited.*

Oceanography Seminar
Surface Lagrangian Current Simulations In The Northeast Pacific Ocean. Jim Ingraham, NOAA/Alaska Fisheries Sc. Centre., Seattle. BioSciences 1465 at 3:30pm. Call 228-2317.

Rehabilitation Medicine Evening
Orientation/Information. Programs In Occupational And Physical Therapy. SRM Faculty/Student Panel and Representatives of BC Society of Occupational Therapists and the Physiotherapy Assoc. of BC. University Hospital, UBC Site/Koerner Pavilion T-325 at 7pm. Call 228-7771.

Medical Genetics Seminar
The Hypotonic Newborn: A Diagnostic Challenge For The Clinical Geneticist. Dr. David Chitayat, Pediatrics/Genetics, Montreal Children's Hosp., McGill U. Coffee available at 8:15am. Hennings 202 at 8:30am. Call 228-5311.

Botany Seminar
Land-Based Cultivation Of Marine Algae For Production Of Phycocolloids. Dr. Ronald E. Foreman, Botany, UBC. BioSciences 2000 at 12:30pm. Call 228-2133.

Lectures In Modern Chemistry
State-To-State Chemistry In Crossed Molecular Beams. Dr. W.R. Gentry, Chemistry, U. of Minnesota, Minneapolis. Refreshments from 12:40pm. Chemistry B-250 at 1pm. Call 228-3266.

WEDNESDAY, NOV. 7

Physiology/Zoology Seminar Series
Carbohydrate Metabolism And Aging. Dr. Graydon Meneilly, Medicine, HSCH, UBC. IRC #3 at 3:30pm. Call 228-4224.

Ecology/Resource Ecology Seminars
Ecology Of Nutrition And Physiology Of Digestion In Kangaroos, Wallabies And Rat-Kangaroos. Ian Hume, U. of Sydney, Australia. BioSciences 2449 at 4:30pm. Call 228-2731.

Economics Departmental Seminar
Wages, Employment And Dispute Resolution In The Canadian Federal Public Service. Denise Doiron,W. Craig Riddell, both UBC. Brock Hall 351 from 4-5:30pm. Call 228-2876.

Geography Colloquium
Perestroika, Glasnost And The Geography Of The Soviet Union. Dr. Robert North, Geog., UBC. Geography 201 at 3:30pm. Call 228-3268.

Biotechnology Laboratory Seminar
Molecular Dissection Of Calcium Channel Function In Excitation-Contraction Coupling. Dr. Kurt Beam, Physiology, Colorado State U. IRC #5 at 4pm. Call Dr. Terry Snutch at 228-6968.

Orthopaedics Grand Rounds
Major Replantation Of The Upper Extremity. Dr. P.T. Gropper, Chairman. Guest: Dr. Brent Graham, Christine Kleinert Fellow in Hand Surgery, Louisville, Kentucky. Eye Care Centre Auditorium at 7:30am. Call 875-4646.

Food Science Guest Seminar
Analytical Approaches To Solving Problems In Toxicology. Carcinogens To Shellfish Toxins. Dr. Michael A. Quilliam, Inst. Marine BioScience NRC, Halifax, NS. Food Science 37, 6650 NW Marine Dr. from 12:30-1:30. Call 228-5560

UBC Wednesday Noon-Hour Concert Series
Eric Wilson, violoncello. Admission $2. Music Recital Hall at 12:30pm. Call 228-3113.

THURSDAY, NOV.

Regent College Forum
Sexuality. Maudine Fee/Rosemary Green, Pastoral Counsellors. Regent College 100 from 11am-12pm. Call 224-3245.

Psychology Seminar
Adjustment To Life-Threatening Events. Dr. Shelley Taylor. Kenny 2510 at 4pm. Call 228-2755.

Health Promotion Research Seminar
Evaluating Healthy Cities: Some Experiences From Australia. Dr. Frances Baum, The Flinders U. of S. Australia. IRC, Boardroom (4th Floor) from 3-4:30pm. Call 228-2258.

Pharmacology Seminar
Mechanisms Of Anaesthesia II. Dr. Ernest Puil, Pharmacology/Therapeutics, Medicine, UBC. Friedman Lecture Hall B from 11:30am-12:30pm. Call 228-2575.

Geological Sciences Seminar
Two Speakers: 3-D Imaging Of A Toxic Waste Site Using Ground Penetrating Radar, Mike Knoll; A Challenging Hike - The Hope Slide, Rosanna von Sacken. GeoSciences A-330 from 12:30-1:30pm. Call 228-4525.

1990 Fall Colloquium Series
All About Eve: Narveson On Original Acquisition. Michael McDonald, Philosophy, UBC. Buchanan D-336 at 12:30pm. Call 228-3292.

Forestry Seminar
A Carbon Dioxide Balance Sheet For MacMillan Bloedel. Glen Dunsworth, Chris Hawkins, Steven Northway, and Nick Smith, MacMillan Bloedel, Nanaimo. Free admission. MacMillan 166 from 12:30-1:30pm. Call 228-2507.

Physics Colloquium
What Is Super-Fluidity? Philip Stamp, Physics, UBC. Hennings 201 at 4pm. Call 228-3853.

UBC Mixed Chamber Ensembles
Free admission. Music Recital Hall at 12:30pm. Call 228-3113.

Economics Departmental Seminar
Consumption, Productivity Growth And Interest Rate. Orazio Attanasio, Stanford/CEPR. Host: Michele Piccione. Conf. Rm. 910 from 4-5:30pm. Call 228-2876.

Fisheries/Aquatic Science Seminar
From The Series. Patterns Of Settlement Of Fish And Shrimp Larvae In The Gulf Of Georgia. Jeff Marliave, Vancouver Public Aquarium. BioSciences 2361 at 3:30pm. Call 228-2731.

RDAY, NOV. 10

THE VANCOUVER INSTITUTE
Space, Time, Seeing and Hearing: Cortical Mechanisms Of Sensing. Dr. Max Cynader, Dir. Research, Ophthalmology, UBC. IRC 2 at 8:15pm. Call 228-5675.

DAY, NOV. 12

Health Sciences Seminar
Building Relationships With Industry: Techniques For Scientists. Mr. Stephen H. Atkinson, Dir., Technology Licensing/Industry-Sponsored Research, Harvard Medical School. IRC #3 at 4pm. Call Henrietta Young 224-8594.

Astronomy Lecture
Quasars And Rich Clusters Of Galaxies. Dr. Erica Ellingson, Dominion Astrophysical Observatory. Coffee available from 3:30pm. Geophysics/Astronomy 260 at 4pm. Call 228-4134/2267.

Oceanography Seminar
Trace Element Dependence Of Nitrogen Utilization And Growth Of Marine Phytoplankton. Neil Price, Civil Eng., MIT. BioSciences 1465 at 12:30pm. Call 228-2317.

French Lecture
Poesie Medievale, Poesie Du Corps. Prof. Paul Zumthor, U. of Montreal. Buchanan Penthouse at 12:30pm. Call 228-2879.

MECH 598 Seminar
Pioneering The Hydrogen Age: Research Opportunities And Implications For B.C. David Sanborn Scott, Dir., Inst. Integrated Energy Systems, U. of Victoria. Chemical/Mechanical Engineering 1202 from 3:30-4:30pm. Call 228-6200.

UBC String Chamber Ensembles
Free admission. Music Recital Hall at 12:30pm. Call 228-3113.

SDAY, NOV. 13

Dow Distinguished Lecturer
Rheology And Fluid Mechanics Of Suspensions Of Rodlike Particles. Prof. Robert L. Powell, Chemical Engineering, U. of California, Davis. Pulp/Paper Centre Seminar Room 101 - at 11:30am. Call 224-8560.

Lectures In Modern Chemistry
Environmental Chemistry Of Arsenic. Prof. William R. Cullen, Chemistry. Refreshments served from 12:40pm. Chemistry B-250 at 1pm. Call 228-3266.

Medical Genetics Seminar
Molecular Analysis Of Familial Leukemia. Dr. Ali Turhan, Terry Fox Lab. Coffee available at 8:15am. Hennings (Physics) 202 at 8:30am. Call 228-5311.

Neuroscience Discussion Group
Neuroethology Of Ultraviolet Photoreception In Salmon. Dr. Craig Hawryshyn, U. of Victoria. Acute Care Unite G-279 at 4pm. Call 228-2330.

Botany Seminar
Approaches To The Genetic Improvement Of Cucumber Using Biotechnology. Zamir Punja, Biological Sciences, Pest Management, SFU. BioSciences 2000 at 12:30pm. Call 228-2133.

Oceanography Seminar
Sub-Oceanic Physical Oceanography: Circulation Of Fluids Beneath Middle Valley, N.E. Pacific. Joanne Bessler, Geological Sciences, UBC. BioSciences 1465 at 3:30pm. Call 228-2317.

Agricultural/Economics Seminar
The New Zealand Economic Policy Reforms: Lessons For Canada, Eastern Europe And The World. Ralph Lattimore, Lincoln U., New Zealand. Ponderosa D-203 from 3:30-5pm. Call Tim Hazledine at 228-5793.

French Seminar
Moyen Age Et Fiction. Prof. Paul Zumthor, U. of Montreal. Informal discussion follows in D-113. Buchanan D-113 at 10am. Call 228-2879.

WEDNESDAY, NOV.14

Geography Colloquium
Moving, Leaving And Arriving: Geography And The Charter Of Rights. Dr. Nick Blomley, Geography, SFU. Geography 201 at 3:30pm. Call 228-3268.

Economics Departmental Seminar
Taxes vs. Standards To Control Pollution In Imperfectly Competitive Markets. Brian Copeland, UBC. Brock Hall 351 from 4-5:30pm. Call 228-2876.

Orthopaedics Grand Rounds
Fat Embolism - Viscous Criterion. Dr. G.D. McPherson, Chairman. Eye Care Centre Auditorium at 7:30am. Call 875-4646.

Geophysics Seminar
Recovery Of Zero-Offset Reflectivity From Aperture-Compensated Migration/Inversion Method. Dr. Dapeng Wang, Geophysics/Astronomy, UBC. Coffee available from 3:45pm. Geop/Astro 260 at 4pm. Call T. Ulrych at 228-3100/2267.

Physiology/Zoology Seminar Series
Role Of Arterial Baroreceptors In The Reno-Vascular Response To Haemorrhage In Conscious Rabbits. Dr. Carol-Ann Courneya, Physiology, UBC. IRC #3 at 3:30pm. Call 228-4224.

Applied Mathematics Seminar
Mathematical Properties Of The Nuclear Vlasov Equation. Dr. Paul F. Zweifel, Mathematics, Virginia Polytechnic Inst., Blacksburg, VA. Mathematics 222 at 3:45pm. Call 228-4584.

Duncan Lectureship
Preachers And Lovers. Dr. Roger Frederickson. Regent College Auditorium, 5800 University Blvd./Wesbrook from 1-2pm. Call 224-3245.

Academic Lecture Program
Intensive Short-Term Dynamic Psychotherapy - An Overview. Dr. Paul E. Termansen, Psychiatry, Lions Gate Hosp./Dr. Judith McBride, Psychiatrist/Beatriz Winstanley, Psychologist. Shaughnessy Hosp. Rm D-308 from 8-9am. Call 228-7325.

UBC
The UBC Campaign
A World of Opportunity

The University of British Columbia
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604 224.8151

Opportunity

The UBC Campaign News **November 1990**

Update

The World of Opportunity Campaign expects to soon achieve $90 million in gifts from generous individuals, foundations and corporate donors. These gifts combine with the Government of British Columbia matching gifts program for a Campaign total of close to $180 million in new endowment and building funds. The University is grateful for this overwhelming support and the Campaign will continue to raise funds for the many priority projects which are not yet fully funded.

global issues addressed

Campaign Funds Academic Chairs

The UBC Senate is expected to ratify 15 endowed Chairs at its November 14 meeting.

Establishment of these academic Chairs will enable the university to recruit leading faculty to pioneer research and exchange knowledge internationally in the areas of health, the environment, law, ethics, business writing and nuclear physics.

Generous gifts from corporate and individual donors and from the Government of British Columbia have made the following Chairs possible:

Chair in Conflict Resolution: Establishment of the Chair will enable the Faculty of Law to develop a centre devoted to researching and developing methods of resolving disputes in areas such as international relations, transportation and communication, environmental concerns, Native land claim disputes and trade and industry disputes.

Chair in Mining and the Environment: The mitigation of environmental hazards associated with mining is one of the most important tasks facing the mining industry in British Columbia and the world. The Chair will enable teaching and research on this issue to be carried out in concert with government, industry and the public, to prevent and contain damage to the environment.

The Chair is being fully endowed by a major grant from the Government of British Columbia and by gifts from other donors in the mining profession and community.

Cominco Chair in Minerals and the Environment: The primary focus of the Chair will be to study the movement of minerals through the earth with a view to learning more about the formation of mineral deposits and the environmental impact created when minerals are liberated by mining activities. The added spin-off will be the development of new exploration techniques.

The Chair is being endowed by Cominco Ltd. with funding matched by the Government of British Columbia.

please see **Community** on page 2

Cecil Green Turns 90: A Star is Born

Leza MacDonald Daryl Kahn Cline

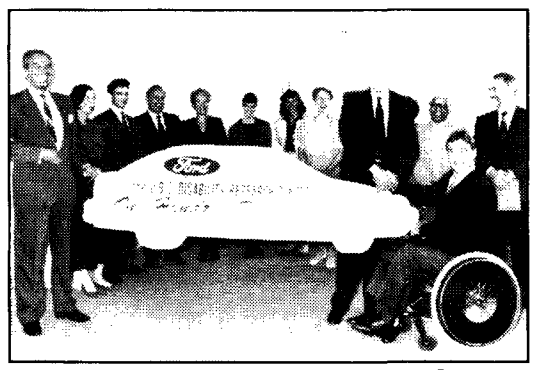
Fireworks lit up the sky in celebration of World of Opportunity Campaign Honorary Chairman Cecil Green's 90th birthday. In honor of Dr. Green's birthday, an asteroid was named after UBC's great benefactor. (*An asteroid is a relatively small planetary body orbiting between Mars and Jupiter.*)

Disability Resource Centre: Rick Hansen's Dream

When Rick Hansen's Man in Motion Tour finally rolled up Cambie Street on a hot afternoon in May, 1987, there were many in the crowd who wondered if the generosity which Hansen inspired would continue.

It had taken a two-year, herculean effort on Hansen's part to focus worldwide attention on the potential of people with disabilities. What would be the next step?

Now, three years later, the tour has turned out to be just the first phase of Hansen's commitment to accessibility for people with disabilities. His goal of accessing post-secondary education has taken a giant step forward with the opening of the new Disability Resource Centre .



Bob Jemison

Kenneth Harrigan, President and CEO of the Ford Motor Company of Canada Ltd., presents a cheque to Rick Hansen, making Ford the first private sector donor to the Disability Resource Centre. Ford's $100,000 pledge will be matched by the provincial government.

The new Centre is the first of its kind in the world and will be active in establishing networks nationally and internationally. The goal will be to establish an accessible environment for people with disabilities -- students, faculty, staff and visitors.

The Centre's plan has six components: research, advocacy, service, access, information and employment.

"Our greatest human resource potential exists in universities and colleges across Canada," said Hansen. "We need to develop a process that will instill a greater sense of responsibility and commitment to the issues of disability.

"If we are opening up post-secondary education from an employment point of view here at UBC, we become conscious of a more equitable opportunity for people with disabilities. We want students to get more than degrees -- we want to deal with the issues of employment."

The Centre will promote its activities through networking with other universities and colleges, and through newsletters, conferences and symposia. Plans are underway for a major international conference on post-secondary education and disability in 1994 or 1995.

Hansen expects the Centre to move into a permanent home in the proposed Student Services Building sometime next year. The Government of B.C. has pledged $2 million, the Vancouver Foundation $1 million, and the Ford Motor Company of Canada recently pledged $100,000 toward the new Centre.

UBC Building Designs Unveiled

Designs for two new UBC buildings, funded through the World of Opportunity Campaign, take advantage of the university's spectacular natural setting while providing an attractive meeting place for students, faculty, visitors and friends of the university.

The **First Nations Longhouse** will honor 10,000 years of west coast tradition; the **David Lam Management Research Centre** will be a centre for students, faculty members, visiting scholars and members of the business community working in today's fast-paced corporate world.

Designed by Larry McFarland Architects, the **First Nations Longhouse** replicates the unique Coast Salish style and respects the heritage of the First Nations people who have lived in the south coast area for thousands of years.

please see **Buildings** on page 3

Community Leaders Fund Chairs at UBC

continued from page 1

Clifford Frame Chair in Mining and Mineral Process Engineering: The holder of the Chair will work closely with other academics, industry and government to develop innovative technology to ensure that Canada's mining industry remains internationally competitive and recovers mineral resources in a judicious manner.

The Chair is being fully endowed by a major gift from Clifford Frame and Curragh Resources Ltd., and by the Government of British Columbia.

Chair in Cardiology: Cardiovascular diseases still account for more than half of all deaths in Canada in spite of improvements in treatment and prevention in recent years. The Chair will provide a focus for cardiovascular research and teaching in the Faculty of Medicine.

The Chair is being endowed by gifts from the B.C. and Yukon Heart Foundation, the Pacific Open Heart Foundation, members of UBC's Division of Cardiology and the Government of British Columbia.

Louise A. Brown Chair in Neuroscience/ Marianne Koerner Chair in Neuroscience:

Understanding the structure and function of the brain is one of the most intriguing problems facing scientists today. The establishment of the two Chairs will allow the university to strengthen, consolidate and expand its internationally recognized program in neuroscience research.

Leza MacDonald

David Strangway presents Cominco CEO Robert Hallbauer with a Sam Black print.

The Louise A. Brown Chair is being endowed by gifts from the Government of British Columbia and an anonymous donor.

The Marianne Koerner Chair is being endowed by gifts from Walter Koerner and the Government of B.C.

Jack Bell Chair in Schizophrenia: Schizophrenia is the most severe mental illness and one in every 100 Canadians is afflicted with this often catastrophic illness. The endowment will enhance existing teaching and research activities at UBC.

Funds made available by the Government of British Columbia will match donations from Jack Bell, Robin Endres and the BC Friends of Schizophrenics to fund this endowment.

C.N. Woodward Chair in Surgery: The Chair will foster more active participation of surgeons in new and innovative research and enable them to continue to improve patient care through the development and application of scientific advances. Potential specific areas of research would include: transplantation surgery; trauma; cancer; cardiovascular disease; burns; plastic and reconstructive surgery; paediatric surgery; neurosurgery; urology.

The Chair is being fully endowed by gifts from the Woodward Family, the Vancouver Foundation and the Government of British Columbia.

E.W. Hamber Chair in Medicine: Created for the head of the Department of Medicine and previously funded by annual donations from the Hamber Foundation, the chair has been converted into an endowed Chair.

The Government of British Columbia matches funding for the Chair.

Sauder Family Chair in Paediatric Infectious Diseases: The Chair will focus on how bacteria causes disease, with the aim of preventing infectious diseases through new diagnosis and therapy.

Gifts from the William Sauder Family in partnership with International Forest Products Ltd. and the Government of British Columbia have fully endowed the Chair.

Sauder Family Chair in Viral Diseases of Children: The Chair will provide UBC with the opportunity to make progress in its search for treatments for the debilitating viral diseases that affect children. It will foster knowledge about the basic biology of disease-causing viruses essential to the development of preventive and therapeutic treatments.

The Chair is being fully endowed by gifts from the Sauder Family in partnership with International Forest Products Ltd. and the Government of British Columbia.

Leza MacDonald

The Sauder family has funded two chairs which address health concerns of children.

Warren Chair in Nuclear Physics: The Tri-University Meson Facility (TRIUMF) commands respect for its strength as Canada's national facility for meson physics and for its outstanding support of university research efforts. The Chair, named in honor of John Warren, the first director of TRIUMF and one of the original nuclear physics researchers at UBC, will complement these research strengths.

The Chair is being endowed by gifts from TRIUMF, the Government of British Columbia and many private donors.

Patricia F. Rodgers Chair in Applied Ethics: Issues of applied ethics are rapidly gaining international attention, with increasing concerns expressed in the areas of bio-technology, genetic engineering, business and the corporate community. The Patricia F. Rodgers Chair in Applied Ethics will focus on ethics in the business community.

The Chair is funded by gifts from Robert C. Rodgers in memory of his wife and the Government of British Columbia.

Maclean Hunter Chair in Non-Fiction and Business Writing: The Chair will emphasize the creative art of writing, with business as the primary subject matter.

Maclean Hunter Ltd. and the Government of British Columbia have fully endowed the Chair.

Senate ratified the following Chairs during its September meeting:

David Lam Chair in Multicultural Education: Linguistic and cultural diversity are features which distinguish Canada from other nations. The Chair will focus on the ways in which inter-group relations can be enhanced through the public school system. It will enable the Faculty of Education to develop appropriate programs, resource materials and curricula to support and enhance our multi-ethnic identity.

The Chair is being endowed by gifts from David Lam, the Government of Canada and the Government of British Columbia.

Dorothy Lam Chair in Special Education: Children with special needs, whether in special schools or "mainstreamed" in regular classes, have the right to be educated to the best of their abilities and in the least restrictive environment possible. The Chair will initiate and coordinate research programs in the Faculty of Education and in other relevant departments in the University, with a view to addressing the effects of mainstreaming on the intellectual and social development of all school-aged children.

The Chair is being endowed by gifts from David Lam, the Government of British Columbia and the Faculty of Education.

Students Pledge Support for New Recreation Centre

Since the 1920s UBC students have supported their university by raising major funds to build campus landmarks: Brock Hall; the War Memorial Gym; the Student Union Building; the Aquatic Centre; Thunderbird Stadium.

Today, that proud tradition of student support continues with $5 million toward three World of Opportunity Campaign projects designed to expand space for sports and recreation. The student contribution will be matched dollar-for-dollar to complete the $10 million goal.

"Students have done a lot for us in the past, so we're now doing something for students who will be here five or 10 years from now," said Jason Brett, Coordinator of External Affairs for the Alma Mater Society.

Sports have always been an important part of student life at UBC and the demand for recreational space continues to grow. Approximately 31 per cent of the student population is involved in sports and recreation and by the year 2000 it is expected that half of UBC students will participate in fitness activities.

A proposed $8 million Student Recreation Centre will be constructed adjacent to the War Memorial Gym and Aquatic Centre. It will include an indoor jogging track, weight rooms, court space and other areas for fitness activities. It will also become the home of UBC's Sports Hall of Fame.

Renovations to the War Memorial Gym will include better seating, improvements to change rooms and enhanced access for people with disabilities. In addition, a Veteran's Memorial Lounge would be completed -- a project held over from UBC's 1958 fund-raising campaign.

The third project is a $1 million upgrade of the McInnes Field site to an All-Weather Athletic Field. Special turf that protects the field from heavy rain and drought will provide optimal year-round conditions for outdoor sports.

Students will make a voluntary contribution to the new facilities through an annual $40 fee over a five-year period.

Major Donors to the World of Opportunity Campaign

As of September 18, 1990

The University of British Columbia is pleased to recognize the following donors to the World of Opportunity Campaign.

Recognition is also gratefully extended to the Government of British Columbia which has expressed its commitment to higher education by matching gifts to the Campaign, and to the Vancouver Foundation for matching gifts to the President's Fund.

The full value of the donor gifts, plus matching contributions, are gratefully acknowledged below.

$10,000,000 or more
including matching funds
Chan Foundation of Canada
Cecil H. Green

$2,000,000 to $9,999,999
including matching funds
Alcan Aluminium Limited
B.C. Lottery Fund
Jack Bell
The Morris and Helen Belkin Foundation
British Columbia Telephone Company
C.K. Choi & Family (Eason Enterprises Ltd.)
Fletcher Challenge Canada Limited
Hongkong Bank of Canada
IBM Canada Limited*
Walter C. Koerner*
L.O.M. Western Securities Ltd. & Peter M. Brown
The Honourable David C. & Dorothy Lam
MacMillan Bloedel Limited
The Real Estate Foundation of British Columbia
Department of the Secretary of State of Canada
The Sauder Family
Vancouver Foundation
Workers' Compensation Board
W. Maurice Young

$1,000,000 to $1,999,999
including matching funds
Apollo Computer Inc.*
B.C. Hydro & Power Authority
Cominco Ltd.
Curragh Resources Inc.
The Hamber Foundation
Imperial Oil Ltd.
Edgar F. Kaiser, Jr.
Eugene W. King
Maclean Hunter Limited
J.W. McConnell Family Foundation
Brenda & David McLean
Placer Dome Inc.
RHW Foundation
C.N. Woodward
Anonymous (2)

$500,000 to $999,999
including matching funds
B.C. Friends of Schizophrenics
Bank of Montreal
Bank of Nova Scotia
The Bentall Foundation
Canada Trust
Canadian Imperial Bank of Commerce
Canfor Corporation
Joan Carlisle-Irving
Mrs. Arnold B. Cliff
Finning Ltd.
Asa Johal
RBC Dominion Securities Pemberton
Royal Bank of Canada
Shell Canada Limited
Stelco Inc.
Toronto-Dominion Bank
TRIUMF
Weldwood of Canada Ltd.
Westcoast Energy Inc.
Weyerhaeuser Canada Ltd.

$250,000 to $499,999
including matching funds
B.C. Gas Inc.
Mr. & Mrs. Ronald Laird Cliff
Dofasco Inc.
Robin Endres
The B.I. Ghert Family Foundation
Imasco Limited
Cy & Emerald Keyes Charitable Foundation
Kinsmen Club of Vancouver*
Michael M. Koerner*
Geoffrey Lau
Mr. & Mrs. Robert H. Lee
The Noranda Foundation & Noranda Forest Inc.
Northern Telecom
Northwood Pulp & Timber Ltd.
Pacific Open Heart Society
Phillips Hager & North Ltd.
Royal Trustco Ltd.
Sun Life Assurance Company of Canada
Anonymous (2)

$100,000 to $249,999
including matching funds
Mr. & Mrs. K. Alston
Andersen Consulting
BC Sugar
Canadian Pacific Forest Products
Central Capital Corporation
Chevron Canada Limited
Du Pont Canada Inc.
Falconbridge Ltd.
Ford Motor Company of Canada, Limited
Glenayre Electronics Ltd.
The Heart and Stroke Foundation of British Columbia and the Yukon
ICI Canada Inc.
Inco Limited
London Life Insurance Company
MacDonald Dettwiler & Associates
McLean Foundation
The Manufacturers Life Insurance Company
Molson Family Foundation
Nesbitt Thomson Inc.
Pacific Press Limited
Petro-Canada Inc.
Rayrock Yellowknife Resources Inc.
Rio Algom Limited
Scott Paper Limited
The Simons Foundation
Henry S. Skinner
Valleydene Corporation Ltd
West Fraser Timber Co. Ltd.
Xerox Canada Incorporated
Anonymous

$50,000 to $99,999
including matching funds
Joanne V. Brown
W. Thomas Brown
Bull Housser & Tupper
Canadian Pacific Enterprises
Canada Life Assurance Company
Chinese Canadian Dental Society of B.C.
Confederation Life Insurance Company
Crown Life Insurance Company
Domtar Inc.
David F. Hardwick
Hong Kong - Canada Business Association
Janet W. Ketcham
Ting K. Lee
North American Life Assurance Co.
Princeton Mining Corp.
Rogers Communications Inc.
Russell & DuMoulin
David W. Strangway
Western Forest Products Limited
W. Robert Wyman
Anonymous

Other Gifts
Generous support has also been received from the community and alumni, including the UBC Campaign Leadership Committee and Advisory Council, Campus Leadership, and The Wesbrook Society.

*Gift-in-kind, or partial gift-in-kind

Buildings to Include New Conference Centre

continued from page 1

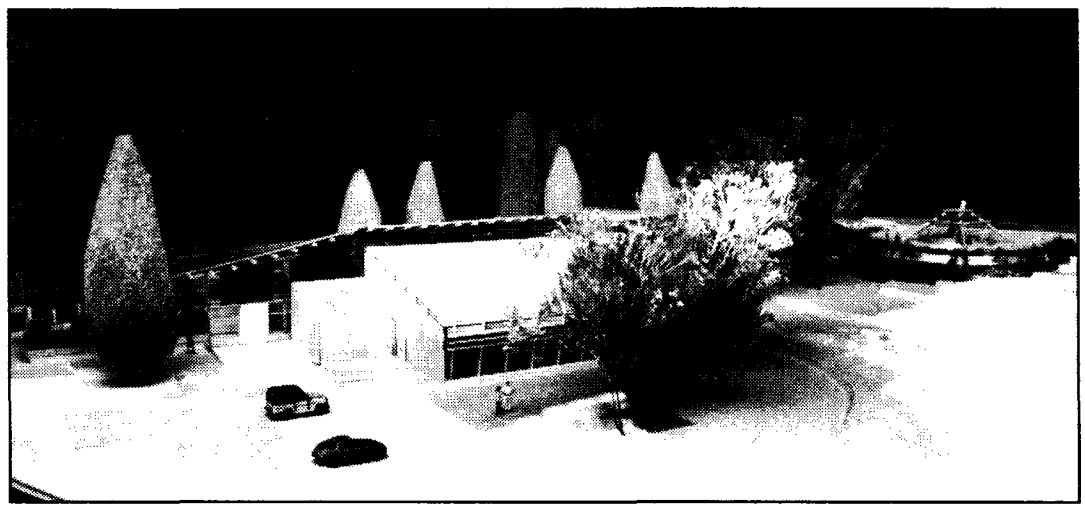
The longhouse structure was historically constructed in a simple shed form so that it could be extended to house members of an entire village. Some longhouses measured between 900 and 1200 feet long.

For First Nations students, the campus longhouse will represent a home and a place where they can study and learn in surroundings which reflect their culture and heritage. Included in the structure will be administration offices, a reception area, student services, a student support area and a child care area. A copper roof, designed for the practical purpose of allowing water run-off, is also a traditional symbol of wealth and prestige.

As part of the longhouse, a Great Hall will be built as a meeting place and special events area. The hall will contain four house posts, three-to-four-feet in diameter, to be carved by west coast artists.

Located in the northwest section of campus on West Mall across from the Geography Building, the First Nations site was chosen by a committee of elders and students because of its heavily treed, natural setting. The longhouse will be surrounded by a forest of ancient coniferous trees to the north and deciduous trees to the south, providing shade in the summer and natural light in the fall, winter and spring. Rather than using asphalt walkways, cedar decks will be constructed to ensure protection for the roots of the trees.

A library built into the side of a hill will complete the longhouse site, styled after a traditional "pit" house, believed to be one of the earliest forms of dwelling.



Martin Dee

First Nations Longhouse honors 10,000 years of west coast tradition

With a $1-million gift, matched by the B.C. Government, Jack Bell launched the funding of the $4-million project. Construction is scheduled to be completed by spring, 1992.

The **David Lam Management Research Centre** will combine nostalgia for one of the campus' favorite meeting places with the dynamic needs of the Faculty of Commerce and Business Adminstration, the leading management research department in Canada.

Located in the heart of campus, the proposed five-storey building will consist of a mixture of traditional and modern structures -- providing a continuation with the Main Mall -- while linking up with the Angus building, which houses the faculty.

Allen Jury, an architect with Carlberg Jackson Partners, designed the Centre to promote a high degree of interaction within the campus community and with the outside business community, fostering economic research with special emphasis on Asia Pacific opportunities.

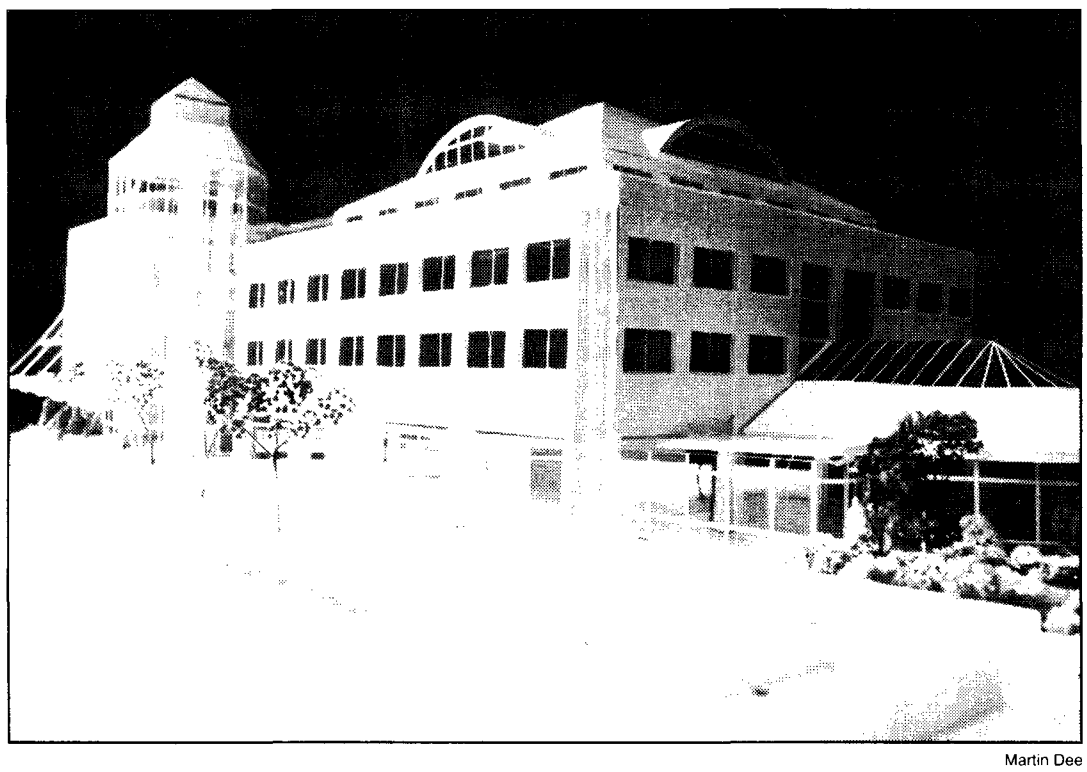
At the north end of the building, a restaurant will be constructed on the same site as the former Bus Stop Coffee Shop, which many on campus remember as a favorite meeting place. Like the old Bus Stop, the new restaurant will feature an excellent view of the Main Mall, allowing its patrons to observe the bustling activity at the university core.

The centre of the building will house the Management Research Library, which will include an observation deck and executive conferencing areas. The upper two floors will include faculty research offices and work areas for research assistance. Placement service areas on the same floors will provide interview space for visiting corporate recruiters.

A high-profile Conference Centre will be the site for significant meetings and conferences, that will act as bridges between the academic and corporate communities. A glass galleria tower will be constructed as a grand entrance to the conference area.

Major funding for the David Lam Management Research Centre was initiated by David Lam with a $1 million gift, followed by donations from The Government of British Columbia and from many private and corporate donors. Construction is scheduled for completion by early in 1993.

Other buildings that have been fully funded through the Campaign are the **Chan Centre for Performing Arts, Green College, B.C. Tel Theatre** and the **Morris and Helen Belkin Art Gallery**.



Martin Dee

David Lam Management Research Centre a mixture of traditional and modern structures.

Three Decades of Support from Artist Sam Black

He has a long list of credits: world-renowned artist, educator, writer, public speaker, businessman. Despite his active schedule, Sam Black has magnanimously supported UBC for more than 30 years.

Black joined the Faculty of Education in 1957. In 1970, he won the Master Teaching Award and after 20 years of teaching, he is now a professor emeritus. In May, the university awarded him with an honorary Doctor of Letters degree.

Aside from his busy years at UBC, the Scots-born artist has been one of Canada's leading art educators. He was a founding member and president of the Canadian Society for Education through Art, and vice president of the International Society for Education through Art.

"Art is education and education is art," says Black. "If you are truly engaged in teaching and genuinely involved in the exciting process of education, it is impossible to count the hours."

Black has enriched the university with many donations of his work. A founding member of the Wesbrook Society and an honorary life member of the UBC Alumni Association, Black's most recent contribution is a series of limited edition prints, donated to the World of Opportunity Campaign to recognize major Campaign donors. These prints now hang in executive boardrooms across Canada and overseas.

His work is displayed in permanent collections in Italy, Australia, Japan and Brazil -- as well as on walls in Windsor Castle, the Imperial War Museum in London and the Glasgow Art Gallery.

Sam Black

A Conversation with The Hon. Bruce Strachan, Minister of Advanced Education

CN: UBC's mission is to reinforce its role as a world-renowned research institution. How is this mission important to the province of British Columbia?

STRACHAN: UBC certainly has a role to play as the senior institution in our province and I admire the university for taking this initiative. In the Centres of Excellence designations, UBC did extremely well. In fact, any review of UBC's activities shows it's one of the top research universities in Canada.

The notion that UBC limit its undergraduate enrolment is certainly forcing us as a ministry to address our Access for All program. The university has obviously made a geographic, demographic and academic decision to limit its undergraduate enrolment to 25,000. It's our task as a government to continue to build undergraduate seats in British Columbia. Our commitment is to add 6,000 spaces by 1995 and UBC is keeping the pressure on us to do that.

We've seen a lot more people knocking on the doors of post-secondary institutions during the last four to five years. The reason for that is directly related to economic success. As a resource province, it has been very easy and in many cases desirable for people with a grade eight, 10 or 12 level of education to leave school and find a well-paying job in the resource industry with guaranteed lifetime employment. What was the point of finishing school if you weren't considering post-secondary education?

Those days are gone. You don't even enter the sawmill industry these days without at least a grade 12 education. You need training that requires algebra, physics or electronics -- the entry level jobs are gone.

CN: To date, UBC's World of Opportunity Campaign has been extremely successful in attracting provincial government, industry and individual support. To what do you attribute this success?

"We've seen a lot more people knocking on the doors of post-secondary institutions during the last four to five years."

STRACHAN: I would attribute the success to the university fund raisers and particularly to David Strangway. He's an ambitious and aggressive fund raiser. Because of his personality, his academic credentials and his contacts, he has a lot of friends and support. From my perspective at least, he's to be given considerable credit.

Aside from Dr. Strangway's involvement, the university operates from a good, solid base. The oldest university in British Columbia naturally has the biggest alumni base with more contacts in the boardrooms of Canadian companies and more contacts with people with high incomes.

CN: Your matching funds program certainly has encouraged donors to contribute more and within a shorter time frame. I'd like your comments on this.

STRACHAN: There's a psychological genius or wisdom in a matching fund. If you give 10 dollars or 10 million dollars and government will match it, you'll think, "Gosh, my 10 dollars is worth 20 or my 10 million is worth 20 million." Then you feel that you are the owner of a larger contribution. It's appealing to the good side of our human nature to know that our contribution is there -- and that it will be matched by another body.

CN: The government has been generous with its matching funds. What's in it for you to provide that incentive?

"It's appealing to the good side of our human nature to know that our contribution is there — and that it will be matched by another body.."

STRACHAN: Same answer -- we get a $20 million initiative whether its a chair or capital project out of a $10 million contribution.

CN: As part of the Campaign, several academic chairs have been endowed to tackle economic, social, health and environmental issues that face society. Your government also faces these issues daily. What do you see as the university's role in this area?

STRACHAN: An issue that concerns the general public is an issue that concerns government. For the same reason it's a concern to academics -- whether the issues concern the environment or ethics or health, they've got a responsibility to address these problems.

For instance, there are two international heroes who came from British Columbia who have focussed our attention on health. Terry Fox and Rick Hansen made us think more about cancer research and spinal cord research and have really captured our interest in addressing those problems.

Generally, people have a healthier attitude about themselves. Fifteen years ago people were smoking and driving after drinking. That doesn't happen nearly as much nowadays. There has been a massive change in attitudes about health, ourselves, and society -- that change is reflected in the academic Chairs that are being endowed through UBC's Campaign.

Visions West Photo

CN: In the rapidly shrinking globe, there is an increasing need for people educated in the humanities and social sciences to help our society understand culture, history, philosophy and languages. What is the university's role in educating British Columbians in this new and changing world?

STRACHAN: I've always been of the opinion that as well as scientific research that allows us to improve our lifestyle, health and environment, there must be a broader understanding of civilization and how we can improve thinking and knowledge about ourselves.

Any applied research, whether pure or which shows a direct, visible improvement, is far easier to solicit funding for. However, we must have an understanding of the world around us and how we've developed as a civilization. Ask many of the Chief Executive Officers in major Canadian companies -- about a third of them have an arts background.

Opportunity

The UBC Campaign News
UBC Development Office

Editor:
Debora Sweeney
Contributors:
Rosemary Ogilvie
Production/Design:
Carrie Holcapek

Calendar

November 4 – November 17

Women Students Lecture
Stress Reduction. Caren Durante. Free admission. Brock Hall 106 from 12:30-2:20pm. Call 228-2415.

Film And Discussion
Ikajurt (The Helper): Midwifery In The Canadian Arctic. Dorothy Kidd, Independent Film Maker. Geography 223 from 12:30-1:30pm. Call 228-5875.

Wednesday Noon-Hour Concert Series
Geoffrey Michaels, violin/Douglas Finch, piano. Admission $2. Music Recital Hall at 12:30pm. Call 228-3113.

1990 Fall Colloquium Series
Ethics As Social Policy: The Good/The Right. Michael Philips, Philosophy, UBC. Buchanan D-336 at 12:30pm. Call 228-3292.

Economics Departmental Seminar
What Ended The Great Depression - Aggregate Demand Stimulus Or Self-Correction? Christine Roemer, Berkeley. Host: Prof. Angela Redish. Brock Hall 351 from 4-5:30pm. Call 228-2876.

Arts Lecture
Political And Economic Reform In Eastern Europe. Dr. Slawomir Magala, Erasmus U., Rotterdam. All welcome. VCC Langara Rm. A-130, 100 W. 49th at 7:30pm. Call 228-3443/324-5239.

Forestry Seminar
The Application Of Biotechnology To Forest Industries. Dr. Jack N. Saddler, NSERC/Ind. Prof. Harvesting/Wood Science, Forestry, UBC. Free admission. MacMillan 166 from 12:30-1:30pm. Call 228-2507.

Geological Sciences Visiting Co-Speakers Seminar
a) Bowels Of The Crust. Ken Wilkes. b) On The Track Of Precious Metal Deposits: Hydrothermal Alteration. Xiaolin Cheng. G.L.S.C. A-330 from 12:30-1:30pm. Call 228-4525.

Physics Colloquium
Nuclear Microscopy And Biological Function Of Trace Elements. Ulf Lindh, Radiation Sciences, Uppsala U., Sweden. Hennings 201 at 4pm. Call 228-3853.

Information Session
Opportunities To Study Abroad With UBC's Education Abroad Program. Learn about opportunities to study in USA/Japan/Hong Kong/Korea/Denmark as part of your degree program at UBC. Asian Centre Auditorium from 4:30-5:30pm. Call 228-3014.

Ecumenical Worship Services
A Service Of Worship Celebrating UBC's 75th Anniversary. Archbishop Edward Scott. All welcome. Lutheran Campus Centre Chapel at 12:30pm. Call 224-3722/1614.

The Video Recording Camera
What Criteria Should Be Used When Considering The Use Of A Video Camera As An Instructional Aid? Don Stevens, Education Media Centre. Education Media Ctre., Scarfe 1310 from 3:45-5pm. Call 222-5243/5272.

UBC Contemporary Players
Stephen Chatman/Geoffrey Michaels, directors. Free admission. Music Recital Hall at 12:30pm. Call 228-3113.

Ophthalmology Clinical Day
Retinal Clinical Day For General Ophthalmologists. Dr. D.F. Dreyer, Ophthalmology, Good Samaritan Hospital Medical Centre. St. Paul's Hospital Auditorium from 8am-4pm. Call 875-4555, Local 6127.

Pediatrics Grand Rounds
Fetal Neurology. Dr. Elke Roland, Asst. Prof., UBC. G.F. Strong Rehab. Ctre. Auditorium, W. 26th/Laurel St., Vancouver at 9am. Call 875-2118.

Fisheries And Aquatic Science Seminar Series
Development Of Ecological Evidence In Year-Class Strength Studies Of Continental Shelf Fishes. Al Tyler, Pacific Biological Station. BioSciences A-236 at 3:30pm. Call 228-2731.

Chemical Engineering Weekly Seminar
Recent Development Of Pigment Science In Japan. Dr. M. Mori, Chairman, Fuji Pigment Co. Chem. Eng. 206 at 3:30pm. Call 228-3238.

Political Science Lecture
The Power Brokers: Implications Of Political-Economic Change In Eastern Europe. Dr. Slawomir Magala, Erasmus U., Rotterdam. Buchanan A-202 at 12:30pm. Call 228-4559/3443.

University Singers
Eric Hannan, director. Free Admission. Music Recital Hall at 12:30pm. Call 228-3113.

UBC Opera Workshop
An Evening Of Opera. French Tickner, director. Free Admission. Old Auditorium at 8pm. Call 228-3113.

THE VANCOUVER INSTITUTE

Universities On A Changing Earth. President David Strong, U. of Victoria. IRC 2 at 8:15pm. Call 228-5675.

UBC Opera Workshop
An Evening Of Opera. French Tickner, director. Free Admission. Old Auditorium at 8pm. Call 228-3113.

Awards And Financial Aid
Rhodes Scholarship (1991) application forms for Oxford are now available in the UBC Awards Office. Awards Office, General Services/Administration 101 or call 228-5111.

Carpool Matching
Now available. Send the following information to Karen Pope, Dean's Office, Applied Science: your home address (i.e. departure point); where you work and what hours (e.g. M-F, 8:30am-4:30pm); both your home phone number and UBC local; if you have a car and whether you smoke while driving. When a match is found, you will be sent the name(s) to contact for arranging a car pool. Call 228-0870.

Executive Programmes
One/two-day business seminars. Nov. 4-17 series includes: Lotus 123, $550; Leadership Laboratory, $550; Best Seller, $350; Writing Effective Reports, $375; Corporate Policy Towards The Environment, $495; Financial Management, $550. Call 224-8400.

UBC Speakers Bureau
Would your group like to know more about topics ranging from ".... from Prehistoric Technology to Agriculture in B.C."? More than 500 topics to choose from; most speakers available free of charge. Call 228-6167, Mon., Wed., Fri., 8:30am-noon.

Our Chiefs And Elders
Portraits of BC Native leaders, chiefs, chief counsellors and elders by Kwaguitl photographer David Neel. Continues at the Museum of Anthropology. Call 228-5087.

Asian Centre Art Exhibits
Nov. 7-16/90: Exhibit of Chinese Art And Calligraphy. Mr. Chang Chin-Sheng, Taipei, Taiwan. Asian Centre Auditorium 509, 10am-5pm daily. Call 228-2746.

Sports Medicine Study
Volunteers, female, age 18-35 needed to participate in study on Exercise and the Menstrual Cycle. Fit, healthy, having normal menstrual cycles and not currently on oral contraceptives. Physiological testing provided. Allan McGavin Sports Med. Centre, John Owen Pavilion, UBC. Call Dr. Connie Lebrun 228-4045 or 980-6355.

Couples/Family Study Of Adjustment To Breast Cancer Diagnosis
Women just diagnosed for breast cancer (and their partner) needed for study of family adjustment to a breast cancer diagnosis. Involves interviews/response to questionnaire. Call Dr. Ann Hilton (School of Nursing) 228-7498.

Psychiatry Depression Study
Participants needed for research study using new antidepressant medication. Depression sufferers, 18-65 years. Call Doug Keller at 228-7318.

Psychiatry Personality Questionnaire Study
Volunteers needed. Participants will receive $20 for completing two 90-minute sessions. Call Janice at 228-7895/7057.

School of Family/Nutritional Sciences Research Study
Energy Metabolism. Female volunteers needed, age 27-42 with no history of dieting. Must be able to attend UBC clinic once/month for a short follow-up visit for 1 year. Call Sara Pare 228-2502.

Health/Safety Awareness Week
Show/Booths. Nov. 5/6 SUB Foyer from 9am-5pm. Call 228-2018.

Health/Safety Awareness Seminars
Nov. 5,6,7,8,9 - Topics: Earthquakes (Lower Mainland), Bike Safety, Substance Abuse, Workplace Environment/WCB, Disaster Planning, respectively at SUB Seminar Room from 12:30-1:30pm. Call 228-2018.

Badminton Club For Faculty/Staff
Thursdays from 8:30-10:30pm and Fridays from 6:30-8:30pm in Gym A of the Robert Osborne Centre. Cost is $15 plus library card. Call Bernard 228-6809 or 731-9966.

Duplicate Bridge
Every Wednesday except Dec 19/26. Informal game open to all. $2 per person includes coffee/snacks. Faculty Club, Room TBA at 7pm. Call 228-4865.

Fitness Appraisal
Physical Education and Recreation through the John M. Buchanan Fitness and Research Centre, administers a physical fitness assessment program. Students $25, others $30. Call 228-4356.

Agricurl
Late afternoon curling starts Oct. 16. New plus experienced curlers welcome. Thunderbird, Tuesday evenings, 5:15 or 7:15pm. Call Alex Finlayson at 738-7698 or Paul Willing at 228-5468.

Reading, Writing and Study Skills Centre
Opportunities for Fall include courses in: ECT Mini-Workshops; A Writing Clinic For ESL Students. Call 222-5245.

Memory and Memory Strategies Study
Volunteers wanted, aged 60-plus, to participate in a memory investigation that explores memory strategies and their ability to boost memory performance. Call Karen at 228-2140.

Dermatology Study
For Alopecia Areata—scalp area. Volunteers 18-65, good health, greater than 50% hair loss for more than 1 year. Able to attend weekly visits for 1 year. Call Dr. Shapiro at 463-6111.

Daily Rhythms Study
Volunteers needed to keep a daily journal (average 5 min. daily) for 4 months, noting patterns in physical/social experiences. Call Jessica McFarlane at 228-5121.

Diabetic Clinical Study
Volunteers required. Patients with diabetes who have painful neuropathy affecting the legs needed for 14-week trial of an investigational new drug. Call Dr. Donald Studney, Medicine, University Hospital, UBC Site at 228-7142.

Study For Athlete's Foot
Volunteers aged 18-75 years needed. Must be able to attend 8 visits over a 10 week period. Call Georgia in Dermatology at 874-8138.

Sleep Disorders Study
Volunteers 18-45 years suffering from Chronic Insomnia needed for a study on sleep-promoting medication (hypnotics). Must be available to sleep overnight at a lab for five nights. Call Carmen Ramirez at 228-7927.

Hypertension in Pregnancy Study
Pregnant women, concerned about their blood pressure, are invited to participate. The study compares relaxation training with standard medical treatment (own physician). Call Dr. Wolfgang Linden at 228-4156.

Post Polio Study
Persons with polio needed for functional assessment and possible training programs. Elizabeth Dean, Ph.D., School of Rehabilitation Medicine. Call 228-7392.

Multiple Sclerosis Study
Persons with mild to moderately severe MS needed for study on exercise responses. Elizabeth Dean, Ph.D., School of Rehab. Medicine. Call 228-7392.

Back Pain Research
Volunteers needed for magnetic resonance imaging of healthy spines—non-pregnant women aged 30-40 and men over 40, no pacemakers, no intracranial clips and no metal fragments in the eye. About one hour required. Call June, MRI Unit, 8am-4pm, Monday-Thursday at 228-7720.

Statistical Consulting and Research Laboratory
SCARL is operated by the Department of Statistics to provide statistical advice to faculty and graduate students working on research problems. Forms for appointments available in Room 210. Ponderosa Annex C. Call 228-4037.

Surplus Equipment Recycling Facility
All surplus items. Every Wednesday, 12-3pm. Task Force Bldg., 2352 Health Sciences Mall. Call 228-2813.

Sexual Harassment Office
Two advisors are available to discuss questions and concerns on the subject. They are prepared to help any member of the UBC community who is being sexually harassed to find a satisfactory resolution. Call Margaretha Hoek or Jon Shapiro at 228-6353.

Volunteering
To find an interesting and challenging volunteer job, get in touch with Volunteer Connections, Student Counselling and Resources Centre, Brock 200. Call 228-3811.

Narcotics Anonymous Meetings
Every Tuesday (including holidays) from 12:30-2pm, University Hospital, UBC Site, Room 311 (through Lab Medicine from Main Entrance). Call 873-1018 (24-hour Help Line).

UBC Fine Arts Gallery Exhibition
Patkau Architects: Projects 1978-1990. Tues-Fri from 10am-5pm/Sat from 12-5pm at UBC Fine Arts Gallery. Call 228-2759.

UBC Fine Arts Gallery Exhibition Symposium
Art, Homophobia, Aids. Call 228-2759.

You Can't Take It With You
Performance. John Wright, director. Tix: $7 Students/Seniors, $10 Adults. Preview Wednesday 2 for $10 at Frederic Wood Theatre. Call 228-2678.

Endgame
Samuel Beckett, author. Gerald Vanderwoude, director. Tix: $6. For reservations call 228-2678. Nov. 7-10 and Nov. 14-17. Dorothy Somerset Studio Theatre 207 at 8pm. Call 228-2678.

Neville Scarfe Children's Garden
Located west of the Education Building. Free admission. Open year round. Families interested in planting, weeding or watering the garden, call Gary Pennington at 228-6386 or Jo-Anne Naslund at 434-1081.

Botanical Garden
Open every day from 10am-3pm until Mar. 15/91. Free admission. Call 228-3928.

Nitobe Garden
Open Monday to Friday, 10am-3pm until Mar. 15/91. Free admission. Call 228-3928.

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New computer graphics lab seeks collaborative projects

By GAVIN WILSON

University researchers from outside the Computer Science department have been invited to get involved in interdisciplinary computer graphics and animation projects at UBC.

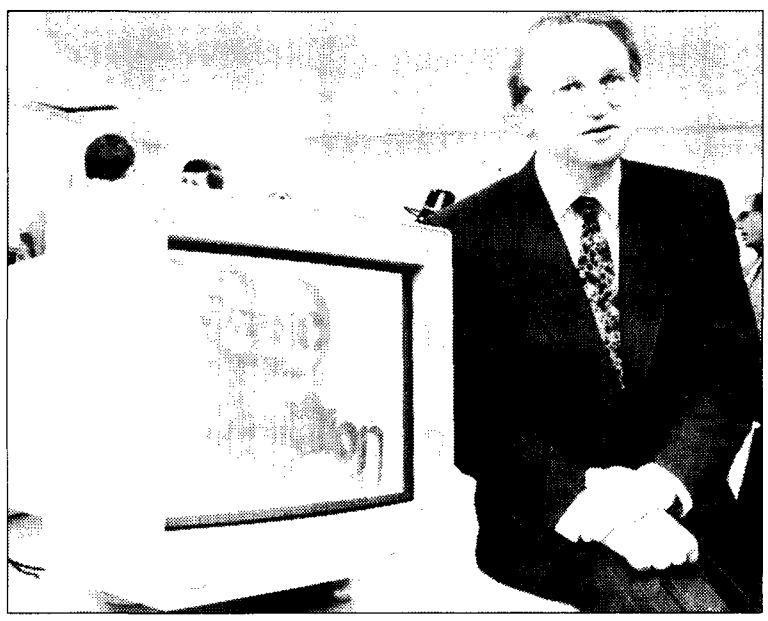
Computer Science head Maria Klawe issued the invitation during the official opening of the new Graphics and Film in Computing lab (GraFiC), on Oct. 17.

"The whole idea of this project is not only to do outstanding research in computer animation, but to get other disciplines — Medicine, Education, Fine Arts, Engineering — involved in collaborative projects," she said.

The lab was made possible by last year's $900,000 donation by IBM of new graphics workstations and other equipment to the department — an amount matched by the provincial government.

The goal is to establish projects dedicated to applications in computer animation, with an emphasis on scientific visualization and medical imaging.

GraFiC will have a staff of experts in the technical and esthetic aspects of computer animation and will make its resources and expertise available to the campus community for interdisciplinary projects.



Computer scientist Alain Fournier, director of the Graphics and Film Computing lab, with a work station donated by IBM.

The director of GraFiC is Computer Science professor Alain Fournier. An advisory board has been established to provide advice on research directions and new applications.

"Three years ago, when we founded the Centre for Integrated Computer Systems Research (CICSR), we targeted graphics as one of the areas that we would give a high priority," said centre director Jim Varah.

Varah said the program can boast two of the top senior academic researchers in Canada — GraFiC director Fournier and Kellogg Booth, newly appointed director of GraFiC's senior partner, the Media and Graphics Interdisciplinary Centre (MAGIC).

Researchers attempt to solve mystery of snowshoe hare

By GAVIN WILSON

UBC researchers have fenced off two square kilometres of Yukon wilderness in an attempt to solve one of the enduring mysteries of the Arctic.

In regular 10-year cycles, snowshoe hares from Alaska to Labrador die in massive numbers. Their death rate is so high that population density can plummet to one per square kilometre from as many as 100.

"For mammals, that is a tremendous fluctuation," said UBC zoologist Anthony Sinclair, a member of the research team headed by UBC colleague Charles Krebs.

"Animal populations usually remain stable, or vary in random patterns based on weather," he said. "But the snowshoe hare population has gone up and down quite regularly for at least 200 years and probably more."

To find out why, researchers are looking at roles played by factors such as predators, food supplies — even sunspots.

"What does it take to stop the cycle? That's our question," said Sinclair.

The researchers feel there is a strong link with predators such as lynx, whose numbers follow a similar boom and bust cycle. Predators are responsible for most hare deaths.

To test their theories, the scientists have fenced-off two predator-proof enclosures, each one square kilometre, at their research station on the boundary of Kluane National Park, 150 kilometres west of Whitehorse.

The eight kilometres of fencing was extremely difficult to build in this remote area, said Sinclair. As a further measure, fishing line was strung up over 10 hectares of the enclosure to ward off birds of prey such as the Great Horned Owl.

The researchers have taken other steps to control and monitor the environment, outfitting hares and their predators with radio collars, supplying additional food sources for the hares and fertilizing the spruce forest.

Researchers, who began this project in the mid-1970s, are about to observe their second cycle of life and death in the boreal forest. With the hare population now at its peak, another die-off could begin as early as this winter.

The collaborative research project, which also includes faculty from the universities of Alberta and Toronto, is funded by a $1.3 million grant from the Natural Sciences and Engineering Research Council.

In a parallel research project, Sinclair and fellow UBC zoologist John Gosline believe sunspots could be another piece of the puzzle.

Using Hudson's Bay Co. records and marks left on tree rings by browsing hares, Sinclair and Gosline have correlated times of peak sunspot activity with the hare population cycle.

A possible link is the increasing evidence that sunspots influence weather patterns on Earth, which in turn affect plant growth and the subsequent survival of animals along the food chain.

A UBC researcher releases a snowshoe hare in a predator-proof enclosure at the Kluane research station in the Yukon.

Faculty surveyed on distance education

By GAVIN WILSON

About a third of UBC faculty members will be asked for their views on distance education courses for degree credit in a survey conducted by an academic researcher this fall.

Joyce Carver, an assistant professor of Nursing at Dalhousie University, is conducting the survey as part of her doctoral research at UBC.

She says distance education is an important issue in B.C., partly because all three universities are concentrated in the southwestern corner of the province.

"Geography is an issue here, but a larger problem is accessibility to post-secondary education for part-time adult students who often have work, family and other responsibilities," Carver said.

"People in the surrounding metropolis often make up a majority of distance students. They may be geographically close to universities, but they're separated by other kinds of obstacles: time, work, child care, traffic," she said.

"Women take particular advantage of distance education and make up about 60 per cent of distance education students."

The suitability of distance education for degree study is a controversial topic among academics, Carver said. Some faculty feel it compromises academic standards, although they may also believe that every effort must be made to increase accessibility.

Carver said academics who oppose distance education likely believe on-campus experience is important for a student's intellectual development and that distance courses are a poor alternative for the real thing.

Those who support distance education, she said, likely believe such courses can be designed to ensure quality and are concerned about the responsiveness of university to changes in society and the need for life-long learning.

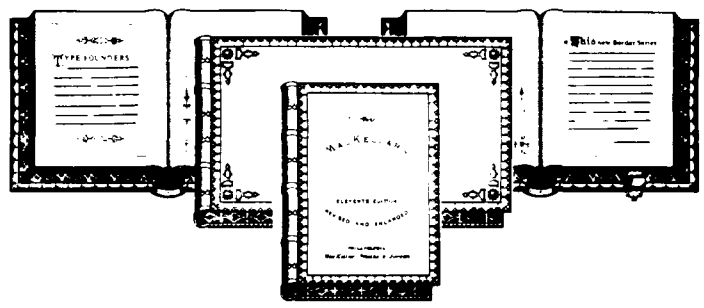
Carver's study has two parts. The first part is a written questionnaire to be circulated to a random selection of full-time UBC faculty.

The second part of the research consists of interviews with 30-40 faculty for an in-depth look at the reasons why faculty either support or oppose distance education.

Carver said her study is the first scientific look at faculty perceptions of university distance education in Canada.

"The stereotype is that academics are resistant to instructional change, but there is little empirical evidence to support that one way or another."

Carver has been involved in university distance education in Atlantic Canada for several years.



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People

Katz honored by biological societies

Katz

Pharmaceutical Sciences Professor **Sid Katz** has been honored by the Canadian Federation of Biological Societies (CFBS) with the Gordin Kaplan Award for his exceptional contribution to raising public awareness of science.

The award, given out for the first time, will be presented to Katz in Kingston, Ont. during the federation's annual meeting next summer.

Katz has been active in promoting science awareness since completing his post-doctoral studies at the Baker Medical Research Institute, in Melbourne, Australia and at McGill University in 1975.

He is currently involved in a series of radio and television productions, including several CBC national programs. He also serves as a science correspondent for BCTV and is a regular contributor to numerous publications.

Katz was recently named National Science and Medicine Specialist for CTV National News.

He is a member of the executive of the Canadian Science Writers Association and a life science consultant to B.C.'s Science World.

A Science Culture Canada grant supports Katz in his science awareness work.

Friesen

The Interlibrary Loan Division of the UBC Library has received the B.C. Library Association's Merit Award for its management of the B.C. Post-Secondary Interlibrary Loan Network.

The loan network, established in 1977, links libraries at universities, colleges and institutes throughout British Columbia and offers a service that is unique in Canada.

Margaret Friesen, Head of the Interlibrary Loan Divsion, and **David Winter**, Librarian, Interlibrary Loan, accepted the award at the BCLA Annual Conference in Victoria.

Professor Emeritus **Dr. Philip Gofton** of the Faculty of Medicine, Division of Rheumatology, has been honored by the Canadian Rheumatism Association.

Dr. Gofton was presented with the association's first annual Award for Distinguished Rheumatologist at an awards ceremony held recently in Toronto.

The award recognizes a Canadian rheumatologist who has provided distinguished service to the rheumatologic community, to rheumatologic research and to volunteer work with the Arthritis Society.

Dr. Gofton retired from UBC in 1987 but remains active doing clinical research.

Ronald MacGregor, Head of the Department of Visual and Performing Arts in Education, has been named the first Canadian Program Coordinator for the National Art Education Association 1992 national convention in Phoenix, Arizona.

MacGregor is the author of three books and editor of two others. He has published internationally in art education professional journals and written articles for education journals with a more general education readership.

He is a Distinguished Fellow of the National Art Education Association, an organization with which he has been actively involved for some time.

Johnston

Margaret Johnston, UBC's Student health Outreach Nurse, has received an award in recognition of her work promoting responsible drinking and safe driving.

Johnston, in cooperation with the AMS, has coordinated an annual Drug and Alcohol Awareness Week for the campus community since joining the university in 1987.

She was presented with the award by the Insurance Corporation of B.C. during a recent Lower Mainland Student Health Professional Day held at UBC for all college and university student health services in the province.

Topics of the 90's...

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Worldwide clinical trials

Diabetes drug tested at UBC

By CONNIE FILLETTI

Testing of a new drug which may ease one of the many complications that can develop in diabetics is under way in clinical trials world wide, including UBC.

Zopolrestat, a metabolic drug, will be studied to determine its effectiveness in treating abnormal nerve function or diabetic neuropathy.

An often debilitating condition affecting the legs and in certain cases the upper limbs, diabetic neuropathy afflicts many of Canada's diabetics who comprise about four per cent of the population.

Symptoms can include tingling, deep stabbing and burning sensations which are often intensified at night. Painkillers are the only treatment currently available to patients suffering from diabetic neuropathy, said Dr. Donald Studney, director of the Diabetes Centre at the UBC site of University Hospital and coordinator of the Zopolrestat trial.

"Although they help ease the pain, painkillers do nothing at the nerve level," said Dr. Studney. "The Zopolrestat trials will help us get at the problem right where it happens."

He explained that Zopolrestat acts in the nerve by inhibiting the conversion of glucose to a substance called sorbitol which in turn disturbs other metabolic pathways in nerve tissue.

"We think conversion is related to the development of abnormal nerve function in diabetics and possibly of other diabetic complications in organs such as the kidney and eye," Dr. Studney said.

He added that Zopolrestat may later be investigated to study its effect on diabetes-induced complications such as deterioration of the retina leading to blindness and kidney failure.

Toronto General Hospital and the Winnipeg Health Sciences Centre are also taking part in the Canadian trials. Europe and Australia began testing Zopolrestat in early 1990. Preliminary results from UBC's clinical trials are expected in the new year.

Patients with diabetic neuropathy are currently being sought to participate in the UBC trials. For more information, call 228-7142.

Botanical Garden set to market garden plants in U.K. and Europe

By PAULA MARTIN

UBC's Botanical Garden has struck an agreement with a British company to market the garden's plants in the United Kingdom and continental Europe.

"This agreement ensures our international leadership and will greatly assist the long-term funding for our Plant Introduction Scheme," said Bruce Macdonald, director of the Botanical Garden, which houses more than 14,000 different plants and uses its collection to introduce new varieties.

The agreement, the first of its kind for a North American university, is with Pride of Place Plants, a marketing company comprising seven major UK nurseries.

The company has exclusive rights to evaluate and introduce selected plants to Europe. It will also be responsible for marketing and sublicencing in Europe.

Through the Botanical Garden's Plant Introduction Scheme, plants are evaluated and selected for release by a 32-member provincial evaluation panel of nursery growers, retailers, landscape architects and parks board members.

They are chosen on the basis of their ease of production, landscape use, ornamental features, resistance to disease and commercial value, said Macdonald.

To date, the introduction scheme has released 16 plants and has generated more than $2 million annually in sales for the Canadian nursery industry.

There is a substantial market for Canadian-developed plants overseas, Macdonald said.

"For example, in Britain, they'll likely sell at least 200,000 plants to garden centres annually with each new release."

Kenya librarian visits Crane

UBC's Crane Library recently played host to a librarian from Kenya who is seeking to improve services for the visually impaired in East Africa.

James N'gang'a, Chief Librarian and Professor, School of Library Studies at Nairobi's Kenyatta University, is on a UNESCO-sponsored tour of library and transcription facilities for the blind, visually impaired and reading disabled in Canada and Germany.

Kenyatta University is expanding an on-campus library and brailling service for visually impaired students into a modern facility .

In 1988, Crane librarians Paul and Judith Thiele went to Kenyatta as UNESCO-sponsored consultants. They offered advice on how to expand the library and introduce modern computer braille production and talking book recording methods.

Classified

Classified advertising can be purchased from Media Services. Phone 228-4775. Ads placed by faculty and staff cost $6 per insertion for 35 words. Others are charged $7. Monday, Nov. 5 at 4 p.m. is the deadline for the next issue of UBC Reports which appears on Thursday, Nov. 15. Deadline for the following edition on Nov. 29 is 4 p.m. Monday, Nov. 19. All ads must be paid in advance in cash, by cheque or internal requisition.

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Miscellaneous

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Contest encourages construction of fuel-efficient vehicle

By GAVIN WILSON

UBC Mechanical Engineering students are taking part in a North America-wide competition to produce a cleaner, more efficient natural gas-powered vehicle.

It's a timely contest, said Robert Evans, professor of Mechanical Engineering and departmental advisor for the project.

"With the possibility of war in the Middle East, many people are questioning our over-reliance on overseas oil fields," Evans said. "Natural gas is a realistic alternative fuel, especially for Canada."

UBC is one of three Canadian and 17 U.S. universities taking part in the Natural Gas Vehicle Challenge. The competition is sponsored by the Society of Automotive Engineers, General Motors, Energy, Mines and Resources Canada and the U.S. Department of Energy.

The students, whose entry was based on a detailed proposal, will receive a 1990 GM one-ton pickup truck, $5,000 in cash and a basic conversion kit.

They have until May, 1991 to complete the conversion. In June, test runs, inspections and final judging will be held in Norman, Ok. and Detroit, Mich. There is $21,000 U.S. in prizes.

Winners will be selected on the basis of design, performance, exhaust emissions and fuel economy.

UBC is expected to field a strong team. Engineering students have won other awards for vehicle design, including a natural gas engine design that won first place in the Innovative Vehicle Design competition at Expo 86.

Evans said natural gas can offer up to 10-per-cent greater mileage than gasoline, and at half the price. It also has advantages over alternative fuels such as propane, which is in short supply and can pose safety hazards.

Canada has vast supplies of natural gas, with B.C. alone producing twice as much as it consumes. The rest is exported.

Commercial vehicle fleets, such as taxis, already use natural gas, but Evans said their conversion systems are unsophisticated and inefficient.

While the UBC students may not produce any technological breakthroughs, they will definitely improve on what is currently in use, he said.

Evans said the engineers will face a number of challenges. The biggest design problem is what to do with the large, heavy fuel tanks required for natural gas.

One team of students will plan tank storage, another will look at engine performance.

"When you switch to natural gas you do lose some power, but you can modify the engine to recover that power loss and more," said Evans. "Natural gas has a relatively high octane rating so you can run at a high compression ratio."

The UBC team will also develop an electronic fuel injection system similar to those used for gasoline engines. Most natural gas conversions now operate with an inefficient carburetor system, Evans said.

Another challenge is to reduce exhaust emissions.

While a relatively clean-burning fuel, natural gas does produce smog-inducing nitrogen oxide and unburned hydrocarbons as well as carbon dioxide, a greenhouse gas.

"You're never going to have a hydrocarbon fuel engine that's pollution-free. The trick is to reduce it as much as you can," Evans said.

The UBC team will try to meet emission standards set for the competition without the use of a catalytic converter.

Wellness Fair runs until Nov. 2

Have you ever wondered what your cholesterol level is? Are you eating for good health?

UBC's Health Wellness Fair which runs until Nov. 2, is the place to find the answers to these and many more questions.

Organized by the Student Health Service Outreach Program, the three-day fair is open to students, faculty and staff.

Included in the planned events is a wellness centre where participants can have their cholesterol and blood pressure checked by trained volunteers.

People are also encouraged to participate in a personal wellness profile by completing a questionnaire about eating, smoking and exercise habits.

The Health Wellness Fair is located in SUB's main concourse and runs between 10:30 a.m. and 1:30 p.m.

Four UBC books chosen among top 30 by SSFC

The Social Science Federation of Canada (SSFC) has selected four books by UBC professors as among the best 30 works in the Social Sciences during the past 50 years.

The honor list was established for the SSFC's 50th anniversary celebrations and included 20 books written in English and 10 in French, and subsidized by the Aid to Scholarly Publications Programme.

History Professor Peter Ward's book, White Canada Forever: Popular Attitudes and Public Policy Toward Orientals in British Columbia, was published in 1978. A second edition of the book is coming out this Fall.

Ward teaches Canadian social history and now concentrates much of his research on the history of the family, the history of nutrition and demographic history.

Political Science Professor Jean Laponce was cited for his book Langue et territoire, published in French in 1984 and in English in 1987.

Laponce teaches courses in political analysis and Western European governments.

Commerce Professor Michael Goldberg's book, The Myth of the North American City: Continentalism Challenged, was published in 1986.

Goldberg, who is the H.R. Fullerton Professor of Urban Land Policy, is currently on leave as executive director of the International Financial Centre, Vancouver.

Professor Emeritus Anthony Scott of the Economics Department was also named to the honor list. He is co-author of The Economic Constitution of Federal States, published in 1978.

Health and Safety Week

Work was pain in the neck

By CONNIE FILLETTI and GAVIN WILSON

Work was a very real pain in the neck for Frank Crymble. It also caused inflammation in his lower back and soreness in his cervical vertebrae and shoulder muscles.

Crymble is a medical illustrator in the art division at the UBC site of Biomedical Communications. His work requires him to spend at least five hours a day sitting at his desk in the same position, with little or no movement.

"It's hard to listen to what your body is telling you when you're concentrating on your work," he said.

Inadequate seating conditions, the absence of movement and poor posture were contributing factors to Crymble's aches and pains, explained Mike Iwama, an occupational therapist at UBC's School of Rehabilitation Medicine.

Iwama was asked by Biomedical Communications to conduct an ergonomic review of their work site, following an increasing trend of back-related injuries.

Ergonomics is the science of how to fit a job to a person's anatomical, physiological and psychological characteristics.

It is also the topic of a Health and Safety Week seminar by David Bell, UBC's Occupational Hygiene Officer, on Tuesday, Nov. 6 at 12:30 p.m., in SUB Room 209. Bell is one of a series of noon-hour speakers during the Nov. 5 to 8 awareness campaign.

Iwama focused on educating each member of the art division staff about the cause, process and resolution of the identified problems.

Other symptoms employees experienced included persistent muscle spasms, frequent tension headaches and poor sleeping patterns.

He then gave them an opportunity to apply their newly acquired ergonomic knowledge to their specific work stations.

Crymble's daily regimen now includes stretching and deep breathing for about 30 seconds every few hours.

In addition, a new chair, easily adaptable to any of the three different work stations he uses, and correct posture have made him pain free since Iwama's ergonomic review.

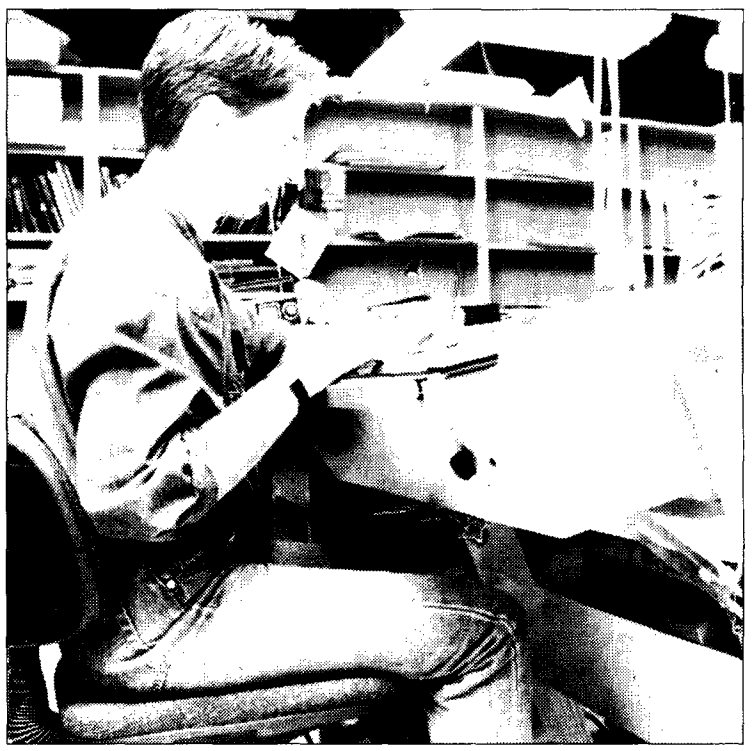

Photo by Media Services

Medical Illustrator frank Crymble found work was a pain in the neck until he discovered how proper seating and posture could ease his aches and pains.

The effectiveness of ergonomics in addressing issues of safety and productivity in the workplace has become paramount, said Iwama.

"With the ever-increasing expense of managing injury claims, sick time and wage loss benefits, ergonomics is quickly gaining recognition as an innovative, cost-effective alternative," he explained.

Iwama added that problems should be handled before they happen, and attention should be paid to the worker's productivity and sense of well-being in the work place for ergonomics to be a useful tool against work-related injuries.

Bell said that if UBC employees want to avoid aches and pains in their backs, necks and shoulders, they should pay attention to how they sit at their desk.

"I'd say 80 to 90 per cent of the employees at this university work at desks and many use computer terminals," Bell said.

Most people simply sit in the chair they are given without ever trying to adjust it. Bell advises learning how it is done and will visit campus departments to give demonstrations on request.

"The important thing is to find out what's best for you," he said. "People vary so much in body size and shape, the chair really has to be tailored for each individual."

Ideally, Bell said, you should be able to adjust keyboard height and chair to suit your own needs and preferences.

But since this is not always possible, he suggests you make the best of what you have.

Chairs should offer good lower-back support and the backrest should be firm, not giving way too easily. Sit with your back against the backrest, not slouched down or leaning forward.

When typing, forearms should be parallel to the floor with wrists straight, not angled up or down. Work that requires repetitive motion, with cocked wrists, can result in carpal tunnel syndrome, Bell warned.

This inflammation of the wrist tendons can cause chronic pain and loss of strength in the hands.

CALL FOR PRESENTATION OR SUBMISSION

The Commission of Inquiry on Canadian University Education, an organization whose mandate includes examining the quality of university education and the relevance of teaching programs, will be holding public hearings in several Canadian cities.

Schedule of Hearings

Quebec City	October 17	**Edmonton**	November 8
St. John's	October 19	**Saskatoon**	November 9
Montreal	October 22-23	**Winnipeg**	November 20
Halifax	October 25	**Toronto**	November 22-23
Vancouver	November 6	**Ottawa**	December 4-5

In Quebec City and Montreal, the hearings will be conducted in French; in Ottawa, they will be bilingual; elsewhere, English will be used. At all meetings, briefs will be accepted in either official language, and people will be free to make presentations and answer questions in the language of their choice. There will be no simultaneous translation, however.

The Commission will schedule up to 10 minutes for presentation and up to 20 minutes for discussion with the Commissioner for each confirmed speaker or group. Presenters are urged to summarize their material rather than read it.

If you have other submissions, please send them to the Commission before December 30, 1990, at 280 Albert Street, Ottawa, Ontario K1P 5G8. Where possible, the Commission would appreciate receiving your views not only on paper but also on diskette (5 1/4 inch, WordPerfect).

If you wish to make a presentation to the Commission at one of its hearings this fall, please contact **Jeffrey Holmes no later than two weeks before the hearing at which you want to appear. Tel.: (613) 238-5778, Fax: (613) 235-8237.**