

UBC



The University of British Columbia
Vancouver, British Columbia
Volume 36, Number 5
March 8, 1990

Mysterious creatures seen on the eve of Open House

BY CONNIE FILLETTI

UBC President David Strangway and several respected alumni are denying any connection between three anthropomorphic characters seen scurrying across television sets in recent weeks and an ad campaign to promote UBC's 75th anniversary.

However, eyewitness accounts of the trio — dubbed the letter people — claim that the figures take the shape of U-B-C and sport the university's official colors of blue, white and gold.

When interviewed for television and radio by a local media celebrity who sounds like Fred Latremouille, Strangway dismissed the notion that the letter people were promoting a highly respected university like UBC.

"I wouldn't have approved anything this silly," Strangway said.

Rick Hansen, a high-profile UBC graduate, concurs. He exclaimed, "UBC? No way. UBC is too stuffy for that."

An incredulous Pierre Ber-ton (another UBC alumnus) scoffed, "It's too

much fun to be done by a Canadian university."

But the most convincing denial came from Allan Fotheringham who ranted, "It couldn't have been UBC. I know because I invented UBC."

John Turner, another UBC grad and former Leader of the Opposition, is expected to release a statement later this month categorically denying that the letter people are UBC's doing, claiming that it is a dignified university.

Despite disavowing any knowledge of the letter people playing a role in promoting the university's 75th anniversary, no one at UBC could explain how the television and radio ads featuring the mysterious trio were produced.

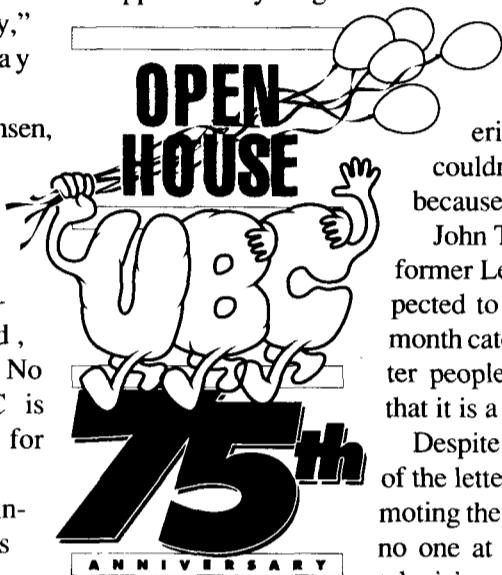
The 30-second spots are currently air-

ing on 16 radio stations across the Lower Mainland and on BCTV, CKVU and CBC -TV.

After much investigation, UBC Reports has found that Ron Woodall, a member of the creative advisory group for the 75th anniversary year, was responsible for everything from the concept to editing the commercials.

"The objective of the ad campaign was to develop a visual device for the 75th anniversary that reflected the festivity of the event," Woodall explained.

Television and radio commercials were produced for all three major events celebrating the 75th anniversary — Open House, Discover Summer and Homecoming Week. All production and post-production work was done through BCTV which donated its facilities.



Hundreds of exhibits are ready for visitors

By RON BURKE

UBC faculty, staff and students are gearing up to welcome thousands of visitors to the campus-wide Open House, 10 a.m. to 5 p.m., March 9, 10 and 11. Departments from Parking and Security Services to the UBC Bookstore have spent months preparing a special welcome for the B.C. community. The event, the largest university open house in Canada, will highlight teaching and research at UBC.

Guests will be treated to hundreds of unique experiences and exhibits,

including the Harvard Gold collection, mock law trials, simulated earthquakes and testing for all manner of human physical and psychological responses.

OPENING CEREMONY

The campus-wide event will officially open with a ceremony at noon on March 9 in front of the Henry Angus Building. The guest of honor will be David C. Lam, Lieutenant-Governor of British Columbia. Chancellor Leslie Peterson, President David Strangway and honored patrons and special guests are also scheduled to take part in the ceremony.

Music from the Magee High School band will be followed by opening addresses. The ceremony will then move down Main Mall to Fairview Grove, where 75 trees will be planted to commemorate the university's anniversary.

Following that, guests will move to the Chemistry Building on University Boulevard Between East Mall and Main Mall for the Science Faculty salmon barbecue. Some of the opening ceremony's special guests will act as celebrity chefs at the barbecue.

MEDIA AT OPEN HOUSE

Any event likely to draw in excess of 150,000 visitors is also likely to draw media attention. If you see someone with a media pass or a video camera moving past you at an event or in a lineup, don't be offended. Media are expected on campus throughout the three days to cover the people and exhibits.

FREE PARKING, FREE ADMISSION

Open House definitely ranks as a bargain, particularly for families. All campus parking and all admission to exhibits and lectures will be free of charge. There will be free shuttle bus service from the large B Lot parking area at the south end of campus to the core, as well as service between various venues at the north end.

SCHEDULES AT INFO KIOSKS

The first order of business for visitors will be to pick up a schedule of events at any of the information kiosks located around campus. The schedules will list times and locations for all events during the three days.

FOOD SERVICES

Most of the regular Food Service locations will be open during Open House. There will also be specialty wagons throughout the campus serving hot dogs, popcorn, specialty coffees, famous UBC cinnamon buns and 75th anniversary cake.

SOUVENIRS

There will be a range of 75th anniversary souvenirs available at the UBC Bookstore, as well as at stands at various locations around campus, including Sportsfest at the War Memorial Gym. Souvenir items include pens, pins, t-shirts, sweatshirts, jackets, umbrellas, mugs and yo-yos.



Photo by Media Services

Mark Halpern (left), Ed Wishnow (centre) and Herbert Gush with COBRA, a slightly battered spectrometer built in the Physics Department. The spectrometer flew in a rocket launched recently in New Mexico. It was designed to measure radiation left over from the Big Bang, information that will tell researchers more about the beginning of the universe. It will be on display at Open House.

Inside

WCB DONATION: The Workers' Compensation Board has donated \$3-million to establish an academic program in Occupational Hygiene. Page 2.

EXPERT OFF TO SOVIET UNION: Forestry expert David Haley is going to the Soviet Union to help with the economic reform of the forest industry. Page 6.

BUDGET DEFENDED: Finance Minister Michael Wilson was on campus to defend his budget. Page 7.

THE CECIL H. & IDA GREEN VISITING PROFESSORSHIPS 1990 SPRING LECTURES

BRUNILDE RIDGWAY

Classical and Near Eastern Archaeology
BRYN MAWR COLLEGE, PENNSYLVANIA

Professor Brunilde Ridgway is a leading world authority on the entire range of Greek sculpture from its origins in the eighth century B.C. to the impact that it had on the Roman world through the copying of the works of the great Classical and Hellenistic masters. A dynamic speaker, a devoted teacher, an ebullient personality; she is a natural on the public platform as reflected by the numerous lecturing invitations and prestigious awards she receives worldwide. Her major books have become the standard work on the period or subject they cover.

RECENT GREEK SCULPTURAL FINDS FROM ITALY:

Why are we still studying Classical Sculpture?
Monday, March 12 In Lasserre 104, at 12:30 PM

STANDING ON MY HEAD:

Archaic Headresses on the Athenian Akropolis
Wednesday, March 14 In the Hellenic Community Centre, at 8:00 PM,
4500 Arbutus Street, Vancouver
Co-sponsored by Archeological Institute of America (Vancouver Society) and by Pharos

PRAXITELES AND HIS WORKS:

Style and Imagery
Friday, March 16, In Lasserre 104, at 12:30 PM

AN ANCIENT MASTERPIECE RECREATED: The Parthenon in Nashville

Saturday, March 17 In Hall 2, Woodward Instructional Resources Centre, UBC, at 8:15 PM (Vancouver Institute)

SIR RICHARD DOLL

Sir Richard Doll, FRS, is Emeritus Professor of Medicine, University of Oxford and was the first Warden of Green College, Oxford. Former director of the Cancer Epidemiology and Clinical Trials Unit established by the Imperial Cancer Research Fund, he is currently consultant in epidemiology. His work has included studies of the causes and treatment of peptic ulcers, the causes of lung cancer and leukaemia, the occupational hazards of cancer, the effects of smoking, exposure to ionizing radiations, and the use of oral contraceptives. Knighted in 1971, Sir Richard Doll is the recipient of many honorary degrees and prestigious medals and awards.

NUTRITION AND CANCER: An Epidemiological Approach (Seminar)

Monday, March 19
In Lecture Theatre, B.C. Cancer Agency, at 12:00

HAZARDS OF LOW-LEVEL RADIATION: Have we Underestimated the Risks?

Thursday, March 22 In Woodward IRC-6, at 12:30

ALCOHOL AND CARDIOVASCULAR DISEASE (Seminar)

Thursday, March 22
In Room 102, Ponderosa C Statistics Dept. at 4:00

OCCUPATIONAL CANCER: The Recognition of Small Risks (Seminar)

Friday, March 23
In Room 253, Mather Bldg., Health Care at 9:00 AM

PROGRESS AGAINST CANCER: An Epidemiologist's Assessment

Saturday, March 24
In Hall 2, Woodward Instructional Resources Centre, at 8:15 PM (Vancouver Institute)

ALL LECTURES ARE FREE - PLEASE POST AND ANNOUNCE
Occasionally unadvertised seminars are presented.



Photo by Media Services

More than 400 volunteers will be on hand during Open House to point visitors in the right direction for events, facilities and services. Easily identifiable in their white t-shirts with the blue and gold UBC letter people on the front, volunteers will also sport neon yellow hats clearly marked "INFO."

Recruit students

New scholarship launched

BY CONNIE FILLETTI

UBC is launching a national entrance scholarship program in a campaign to recruit outstanding high-school students from the province and across Canada.

The scholarships will be endowed by The President's Fund. Established through UBC's fundraising campaign, the fund supports emerging priorities in learning, research or public service.

"UBC has been responding to students and society for the past 75 years," UBC President David Strangway said. "We are proud to be establishing these scholarships in this, our diamond anniversary year. The scholarships and other special projects of The President's Fund will ensure that UBC can continue to provide service through excellence in the 1990s and beyond."

A cornerstone of The President's Fund, the national entrance scholarships — 10 in total worth \$6,500 each — will be available beginning with the September, 1990 academic year.

"We're facing rigorous competition for top students," explained Byron Hender, UBC's director of Awards and Financial Aid. "Historically, other universities have been more aggressive in their recruitment drives and have active alumni networks in principal cities targeting the best



Hender

students. It's healthy to have the competition, but we have to do more to attract excellent scholars to UBC."

The scholarships will be awarded to students who have outstanding grades and demonstrated achievement in extracurricular activities such as sports or community service.

A special selection committee will meet in May to review the scholarship applications. Information on the scholarships has been sent to secondary schools nationwide.

Deadline for applications is April 15.

WCB gives \$3 million for academic program in occupational health

By PAULA MARTIN

The Workers' Compensation Board has donated \$3-million to establish an academic program in Occupational Hygiene at UBC.

The new Master's level program will emphasize education and research into occupational health problems, with injury prevention and worker health the ultimate goals.

"We are delighted that the WCB has agreed to support this important university teaching and research program," said UBC President David Strangway. "Occupational health problems plague many workers and workplaces."

The \$3-million will be used to establish the WCB Research and Education Endowment Fund. Income from the endowment will be used to operate the program in Occupational Hygiene.

The faculties of Applied Science, Graduate Studies, Medicine and Science will be involved in delivering the new program.

The endowment funds, together with provincial matching funds, will make it possible to hire new faculty members to teach in the program and

undertake research in related areas such as occupational health, safety and the rehabilitation of workers.

"The proposed program is based on the existing strengths of the faculties of Applied Science, Science and Medicine and represents another example of UBC's commitment to address important interdisciplinary problems relevant to our province," said Axel Meisen, dean of Applied Science.

An inter-faculty team is already working on developing a proposed program for Senate approval, Strangway said. Once approved by UBC's Senate and Board of Governors, it is anticipated that the first students will enter the program in September, 1991.

An advisory committee with representatives from the WCB, Business Council of BC, the BC Federation of Labour and other groups will be established to provide advice on all aspects of the program.

The WCB has provided UBC researchers in occupational safety, health, and rehabilitation medicine more than \$2.6-million since 1986 for special projects aimed at preventing occupational disease.

Exhibits ready for Open House

Continued from Page 1

LAST MINUTE NOTES SUZUKI LECTURE

The Friday, March 9 lecture by David Suzuki on Travels with Paiakon — Adventures with an Amazonian Indian will now be at 4 p.m. The talk will feature slides of the spectacular Amazon rain forest. The Saturday and Sunday lectures are still scheduled for 1 p.m. All three talks will be in Woodward IRC #2.

MAIN STAGE ENTERTAINMENT

There will be entertainment on the Main Stage Saturday and Sunday during Open House. The stage will be on Main Mall, in front of the Henry Angus Building. Entertainers will include jugglers, dancers and singers. There will also be street entertainers at various sites throughout Open House.

People

Fryzuk wins medal

The Royal Society of Canada has named Chemistry Professor Michael Fryzuk as the winner of the 1990 Rutherford Medal for Chemistry.

Fryzuk is an inorganic chemist whose research has led to a better understanding of the fundamental principles controlling the structure and reactions of organometallic compounds.

He was recently awarded the Steacie Fellowship and is a current Killam Research Prize holder.



Fryzuk

Microreproductions.

The institute is a non-profit corporation founded by the Canada Council to locate and preserve pre-1901 printed Canadiana on high quality microfiche.

Dr. William Webber, dean of the Faculty of Medicine, has been appointed Associate Vice-President, Academic. Dr. Webber replaces Jim Dybikowski who steps down June 30.

A member of UBC's Faculty of Medicine since 1961, Dr. Webber also served as president of the Faculty Association from 1968 to 1969. He has been a member of Senate since 1966 and was on the Board of Governors between 1975 and 1977.

Dr. Webber, whose term as Dean of Medicine expires June 30, assumes his new office effective July 1, 1990 to June 30, 1995. His initial responsibilities will include faculty relations such as appointments, promotions and membership on the university team for salary negotiations with the Faculty Association.



Webber



Hardwick

Geography Professor Walter Hardwick has been appointed chair of the National Capital Commission's National Capital Planning Committee.

Hardwick, who teaches urban geography, takes over from School of Community and Regional Planning Director Alan Artibise, who recently completed a five-year term as chair of the NCPC.

Hardwick takes up his appointment April 1.

The NCPC advises the National Capital Commission on the management and development of federal lands and on other planning and development issues in the Ottawa-Hull region. The committee is made up of professionals with urban specialties from across the country.

Artibise has been appointed chairman of the National Capital Commission's Advisory Committee on Marketing and Programming.

His term begins April 1.

Artibise has also been appointed to the board of directors of the Canadian Institute for Historical



Artibise



Beiser

Morton Beiser, head of the Division of Social and Cultural Psychiatry, has been named to the federal government's Canadian Multiculturalism Advisory Committee.

The committee will advise Gerry Weiner, minister of Multiculturalism and Citizenship, on the implementation of the Canadian Multiculturalism Act and other matters related to multiculturalism.

The committee consists of 37 members broadly representative of the country's professional, cultural and linguistic diversity.

Beiser recently chaired a federal task force on mental health issue affecting immigrants and refugees.

Mackworth appointed Shell Canada Fellow

By GAVIN WILSON

The Canadian Institute for Advanced Research and Shell Canada Ltd. have named UBC computer scientist Alan Mackworth as the Shell Canada Fellow.

Mackworth, a researcher in the CIAR's Artificial Intelligence and Robotics program, is an internationally recognized leader in the field of computational vision, which aims to give robots the ability to see and react to their surroundings.

Funding for Mackworth's fellowship — \$500,000 over five years — was provided by Shell Canada. The company's president and CEO, Jack MacLeod, presented Mackworth with the fellowship along with CIAR President Fraser Mustard and UBC President David Strangway.

UBC receives more CIAR funding and support than any other university in Canada. Sixteen of the institute's 86 Canadian program members, including the heads of two programs, are based here. They receive more than \$1-million in CIAR funding each year.

UBC faculty participate in each of the institute's five programs, conducting high-level research into superconductors, cosmology, population health and evolutionary biology. Members of the artificial intelligence and robotics group at UBC are Mackworth; Robert Woodham, Computer Science/Forestry; David Lowe, Computer Science; and Max Cynader, Ophthalmology.

"Shell Canada foresees significant application for artificial intelligence in many of its operations including refinery processes and analyzing data from geophysical exploration," said MacLeod. "The CIAR's program represents a unique national initiative that is important for Canada's future competitiveness in international markets."

The CIAR, founded in 1982, has created a series of Canadian-based international research networks that foster creative, interdisciplinary approaches to the study of complex problems.

Funded by private industry, foundations and provincial and federal governments, the institute aims to help keep Canada competitive in a global

economy that is undergoing rapid scientific and technological change.

"It is gratifying to see corporate leadership in work that has significance for Canada's future," said Mustard.

"Shell's investment recognizes the quality of research at UBC and the importance of a national consortium to advance the field of artificial intelligence and robotics."

Institute fellowships free researchers such as Mackworth to concentrate most of their efforts on research for five years.

Mackworth is developing artificial intelligence systems that, mimicking the physiological and psychological mechanisms used in the human vision system, would give machines the ability to recognize objects in their environment and react appropriately.

"One of the problems with current commercial robots is that they are blind, deaf and dumb. This means they must operate in a very restricted environment and do only repetitive, stereotyped jobs, such as spray painting and seam welding," he said.

Doors open for Open House

By RON BURKE

The largest university open house in Canada is about to get under way at UBC. At 10 a.m. on Friday, March 9, exhibits and special events will open and the biggest and best Open House ever will be off and running.

LT.-GOV. AT OPENING CEREMONY

David C. Lam, Lieutenant-Governor of B.C., will be the guest of honor at the opening ceremony to be held on the Main Stage in front of the Henry Angus Building at noon on Friday, March 9. The ceremony will include the planting of 75 trees in Fairview Grove, near the Civil and Mechanical Engineering Lab.

HELPING HANDS FOR FAIRVIEW GROVE

Thanks go out to the landscape architecture firm of Durante and Partners, which was involved in the completion of the landscape map for the planting of the trees. Thanks also to former Forestry Dean Tom Wright, who donated two grand fir and four red alder seedlings for the rejuvenation project for Fairview Grove.

EXHIBIT AT BIOTECH LAB

Remember the movie *Fantastic Voyage*, where a miniature craft made its way through a human body? Professor Brett Finlay and his crew in the Biotechnology Lab have devised a unique exhibit that is reminiscent of the classic science-fiction B-movie. A room on the third floor of the Wesbrook Building has been made up as a giant cell from the human body. As you enter the room you represent a bacterium, looking to wreak havoc by spreading disease. Your challenge is to navigate through the cell scaffolding and exit into the bloodstream, where you can attack other areas of the body.

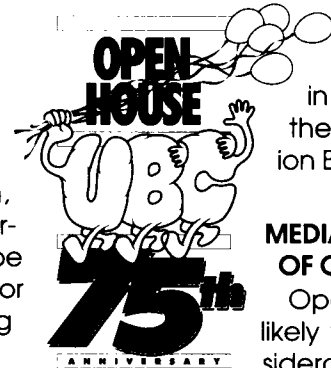
There will also be displays on how biotechnology is used in forestry, agriculture and health sciences.

CALLING ALL FUTURE NEWSHOUNDS

Open House visitors with an interest in print journal-

ism will have an opportunity to learn about UBC's student newspaper on Friday, March 9. Staff of the *Ubyyssey* will be on hand in their office throughout the day to chat about the joys of journalism at the self-proclaimed vilest rag west of

Blanca. The *Ubyyssey* office is located in Rm. 247K of the Student Union Building.



MEDIA COVERAGE OF OPEN HOUSE

Open House is likely to draw considerable interest from the local media. It's a great opportunity for the university to work with the media to share the good news about the world-class teaching and research going on at UBC.

TESTING, TESTING

An amazing array of tests will be available to Open House visitors. The Faculty of Pharmaceutical Sciences will have displays in the Cunningham Building to test your blood pressure and blood-alcohol level. They will also have an exhibit on how urine is analyzed to detect performance-enhancing drugs. Those inclined can even have a pregnancy test.

Sportsfest at the War Memorial Gym and the Aquatic Centre will offer fitness testing and advice from the experts on sports and recreational activities that will fit your lifestyle — or the one you'd like to get into.

The Psychology Department will have a lie detector display and a computer that will estimate your lifespan, both in the Kenny Building.

The computer bases its projection on information you give it about your bad habits, such as working too hard and not getting enough sleep or exercise.


WAY TO GO

That computer might have some interesting things to say about the thousands of people around campus and in the community who have been burning the midnight oil to get everything ready for Open House. Congratulations to everyone who has worked so hard.

March 11 –
March 24

MONDAY, MAR. 12


Mathematics Seminar
Small Scale Structure of Turbulent Flow. Dr. Klaus W. Schwarz, IBM Research Div., Thos J. Watson Research Center. Math 229 at 3:45pm. Call 228-4584.

 **Medical Seminar**
Human Papilloma Viruses and Cervical Neoplasia. Dr. Chris Sherlock, Medical Microbiology, UBC. BC Cancer Research Centre
Lecture Theatre from 12-1pm. Call 877-6010.

Astronomy Seminar
Bow Shock Models of Herbig-Haro Objects. Dr. Alberto Crispo, U. of Washington. Geophysics/Astronomy 260 at 4pm. Call 228-4134/2237

Mechanical Engineering Seminar
Current Research Problems in Naval Architecture. Dr. Bill Hsi Cheng, US Navy/Research Development. Chemical/Mechanical Eng. Bldg. 1202 at 3:30pm. Call 228-6200.

Religious Studies Lecture
New Theological Perspectives On Women in the Catholic Church. Dr. Donna Geernaert, Woman Theologian and Ecumenical member of the Cdn. Conf. of Catholic Bishops. Buchanan A102 at 12:30pm. Call 228-6523

 **Cecil/Ida Green Visiting Professors**
Classics Lecture. Recent Greek Sculptural Finds From Italy: Why Are We Still Studying Classical Sculpture? Prof B. Ridgway, Bryn Mawr College, Pennsylvania. Lasserre 104 at 12:30pm. Call 228-5675.

TUESDAY, MAR. 13

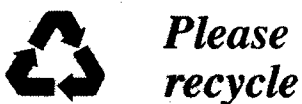
Medical Genetics Seminar
Hemopoietic Stem Cells: From Mouse To Man. Dr. Connie Eaves, Terry Fox Lab, BC Cancer Research Centre. IRC 4 at 8am. Coffee available at 7:45. Call 228-5311.

Botany Seminar
Seedling Growth of *Zostera Japonica* And The Influence of Z. Marina. Michelle Nielson, M.Sc. candidate. BioScience 2000 at 12:30pm. Call 228-2133.

Geography Colloquium
Visualization Of Geographic Information. Prof. Brian Klinkenberg, UBC. Geography 200 at 3:30pm. Call 228-6959.


Women's Studies Seminar
France Theoret, Quebec Feminist writer reads from her works. Buchanan D113 from 10am-11:30am. Call 228-4033.

UBC Reports is the faculty and staff newspaper of the University of British Columbia. It is published every second Thursday by the UBC Community Relations Office, 6328 Memorial Rd., Vancouver, B.C., V6T 1W5. Telephone 228-3131. Advertising inquiries: 228-4775. Director: Margaret Nevin Editor: Howard Fluxgold Contributors: Connie Filletti, Paula Martin, Jo Moss and Gavin Wilson.



CALENDAR DEADLINES

For events in the period March 25 to April 7 notices must be submitted by UBC faculty or staff on proper Calendar forms no later than noon on Wednesday, March 14 to the Community Relations Office, 6328 Memorial Rd., Room 207, Old Administration Building. For more information call 228-3131. Notices exceeding 35 words may be edited.

 **Asian Development Seminar**
New Thinking And Development In Vietnam. Kathleen Gough, Centre for Human Settlements, UBC, Fellow of the Royal Society of Canada. Asian Centre 604 at 3:30pm. Call 228-4688.


Japan Seminar Series
The General Elections Of Japan, Feb/1990: Implications for the Future. Prof Emeritus Masumi Junnosuke, Tokyo Metropolitan U. Asian Centre 604 from 12:30-1pm. Call 228-4688.

In the Spotlight
Outstanding students in recital. Free admission. Recital Hall at 8pm. Call 228-3113.

Office for Women Students Workshop
One session on Interview Skills. Preparing Yourself For The Job Interview And Answering The Questions. Brock 223 from 12:30-2:20pm. Free admission. Registration required. Call 228-2415.

Faculty Development Project
Effective Use of the Overhead Projector. Don Stevens, Education Media Centre. Scarfe 1310 from 3:45-5pm. Call 228-5249.

WEDNESDAY, MAR. 14

 **Orthopaedics Grand Rounds**
The Rotator Cuff. Chair: Dr. RW McGraw, guest Dr. R.H. Hawkins. Eye Care Centre Aud. at 7:30am. Call 875-4646.

Pharmacology Seminar
Facilitation of Quantal Neurotransmitter Release by Residual Ions. Allen Bain, PhD candidate, Pharmacology/Therapeutics UBC. IRC5 from 11:30-12:30pm. Call 228-2575.

Geological Sciences Visiting Speakers Seminar
Archean Evolution From Three-Dimensional Crustal Exposures Of The Superior Province. Dr. J. Percival, Geological Survey of Canada. GeoScience 330A from 12:30-1:30pm. Call 228-3508.

Ecology/Resource Ecology Seminars
Ecology/Evolution of Synchronous Breeding. Rolf Ims, University Museum, Oslo, Norway. BioSciences 2449 at 4:30pm. Call 228-2731.

Physics Colloquium
Morphogeneses. Lionel Harrison, Chemistry. Hennings 201 at 4pm. Call 228-6533/3853.

Women's Studies
Carol Gran, Minister Responsible for Women's Programs, Victoria, BC. Issues of concern for women at UBC. Buchanan Penthouse from 2-3:30pm. Call 228-4033.

Regent College Special Lecture
The Introduction of Praxis in Evangelical Theological Education. Kumulau Tawali and Fay Lapka, students. Room 100 Regent College from 11am-12noon. Call 224-3245.


Cecil/Ida Green Visiting Professors
Classics Lecture. Standing On My Head: Archaic Headresses On The Athenian Akropolis. Prof B. Ridgway, Bryn Mawr

College, Penn. Hellenic Comm. Centre, 4500 Arbutus St at 8pm. Call 228-5675.


Office for Women Students Workshop
Goal Setting. Are You Concerned About Your Future? Learn How To Shape It By Setting Goals And Priorities. Brock Hall 106 from 12:30-2:20pm. Free admission. Registration required. Call 228-2415.

Hispanic and Italian Studies Video Presentation
The Gates of Paradise. Lorenzo Ghiberti. 50 minute documentary on the Florentine Baptistery. In English. Buchanan A202 at 12:30pm. Call 228-2268.

Faculty Development Project Seminar
Continuing Education. Ethical Dilemmas in the University. Drs. M. Arcus, C. Clark, T. Sork. Scarfe 1006 from 3:30-5:30pm. Call 228-5249.

 **Noon Hour Concert**
Francesca Giangiardi, piano. Recital Hall at 12:30pm. Admission \$2. Tickets at the door. Call 228-3113.

THURSDAY, MAR. 15

 **History Department Colloquium**
The Life and Times of Thomas Beeswax Taylor: Origins And Paradoxes Of The Nineteenth Century American Labour Movement. Paul Krause, History, UBC. Buch, Tower 1207 from 1pm-2:15pm. Call 228-2561.

Regional Mass Spectrometry Discussion Group
MS/MS using Hybrid And 4-Sector Mass Spectrometers. Dr. Barry Wright, KRATOS Analytical. Chemistry Bldg. 124 at 12:30pm. Call 228-3235.

Hispanic and Italian Studies Graduate Students Symposium
Three different speakers. Buchanan Penthouse from 10am-noon. Free coffee. Call 228-2268.

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

Psychiatry Journal Club
Please call for information on presenters and current articles to be discussed. BC Cancer Foundation Aud. at 8am. Refreshments at 7:45. Mary 228-7325.

 **Seminar on Asian Development**
Strategic Developments in Asia-Pacific. Pat Carney, former Canadian Minister of Int'l. Trade, Adjunct Prof. School of Community/Regional Planning, UBC. Asian Centre 604 at 3:30pm. Call 228-4688.

CAIS Open Meeting
Canadian Association for Information Sciences. Connecting Computers in the 90's. Bruce Jolliffe, Networking/Communication UBC. Main Library 835 at 4pm. Call 228-2499. Open to all.

FRIDAY, MAR. 16

Forestry Seminar Series
Property Rights: The Concept of Sustainable Development. Dr. Peter Pearse, Forest Resources Management, UBC. MacMillan 166 at 12:30pm. Call 228-2727.

Chemical Engineering Weekly Seminar
Heat Exchanger Scaling by Phosphates and Silicates. Atmajeet Sing, grad student, Chemical Engineering, UBC. Chem. Eng. Bldg. 206 at 3:30pm. Call 228-3238.


Fisheries/Aquatic Sciences Seminar
Nutrients As A Limitation To Salmonid Smolt Production In A Coastal River. Pat Slaney, BC Fisheries. BioSciences 2361 at 3:30pm. Call 228-2731.

Pediatrics Grand Rounds
Current Status Of Research On Early Intervention. Dr. Guralnick, Director, Child Dev./Mental Retardation Ctr., U. of Washington. G.F. Strong Rehab Centre Aud. at 9am. Call 875-7107/7118.

 **UBC Chamber Strings**
Geoffrey Michaels, director. Free admission. Recital Hall at 12:30 and 8pm. Call 228-3113.

Cecil/Ida Green Visiting Professors
Classics Lecture. Praxiteles And His Works: Style And Imagery. Prof B. Ridgway, Bryn Mawr College, Pennsylvania. Lasserre 104 at 12:30pm. Call 228-5675.

SATURDAY, MAR. 17


 **Museum of Anthropology Children's Story Hour**
Stories from Japan. Maggie Mason, popular Vancouver storyteller and creative drama instructor from Arts Umbrella. Free with price of admission. Children aged 3-6 must be accompanied by an adult. Orientation Area MOA at 11am. Call 228-5087.

MONDAY, MAR. 19

Cecil/Ida Green Visiting Professors
Nutrition And Cancer: An Epidemiological Approach. Sir Richard Doll, Prof. Emeritus, Medicine, Oxford U. BC Cancer Agency Lecture Theatre at 12noon. Call 228-5675.

Pediatrics Research Seminar
Molecular Biology Of Red Cell Membrane In Health And Disease. Prof. Josef T. Prchal, Hematology/Oncology, Medicine, U. of Alabama. University Hospital, Shaughnessy site D308 at 12noon. Refreshments at 11:45am. Call 875-2492.

HealthCare/Epidemiology Seminar
Kinesiology And Its Roles Within The Health Care System. Nancy Davidge-Johnston, Coordinator, Co-op Education, Kinesiology, SFU. Mather Bldg. 253 from 4-5:30pm. Call 228-2258.

 **Biochemistry Seminar**
Origin And Assembly Of Blood Vessels. Dr. Ron Heimark, Pathology, U. of Washington. IRC #4 at 3:45pm. Call 228-3027.

Zoology Seminar
Blood O2 Transport In Hibernating Turtles: Mechanism And Functional Significance. Dr. L. Maginniss, BioSciences, U. of Chicago. BioSciences 2449 at 4:45pm. Call 228-3372.


Mechanical Engineering Seminar
Onset Of Significant Void And Void Growth In Nuclear Reactors. Eric Bibeau, PhD student. Monitoring Of Milling Processes. Yevart Hosepvan, MASC student. Civil/Mechanical Eng. 1202 at 3:30pm. Call 228-6200.


Applied Mathematics Seminar
A Computer Algorithm For Simplifying Systems Of Coupled PDEs. Dr. Greg Reid, Mathematics, Okanagan College, Kelowna. Math 229 at 3:45pm. Call 228-4584.


 **Slavonic Women's Slavonic Area Studies' Lecture**
Women And Glasnost. Dr. Barbara Heldt, Slavonic Studies, UBC. Buchanan B214 at 12:30pm. Call 228-2402.

Student Composers Concert
Free Admission. Music Recital Hall at 12:30pm. Call 228-3113.


TUESDAY, MAR. 20

 **Museum Of Anthropology Lecture Series**
Artists And Their Practices. Video and Photography artist Anne Ramsden, assistant prof., Visual Art, Centre For Arts, SFU. Free admission. MOA Theatre Gallery at 7:30pm. Call 228-5087.

 **Institute of Asian Research Seminar**
Images Of Japanese In Korea And Images Of Koreans In Japan. From the series Walls Within, Walls Without: Exploring the Perception Gap in Japan. Prof. Kamigaito, Int'l Research Centre of Japanese Studies, Kyoto. Asian Centre 604 from 12:30-1:30pm. Call 228-4688.

 **Geography Colloquium**
The Soils Of Southern Greenland And The Norse Disappearance Mystery. Prof. G. K. Rutherford, Geography, Queen's U. Geog. 200 at 3:30pm. Call 228-6959.


Botany Seminar
Pandemonium In Pussyfoots: Evolution Of The Polyploid Complex In Antennaria. Dr. Randy Bayer, Botany, U. of Alberta. BioSciences 2000 at 12:30pm. Call 28-2133.

 **Lectures In Modern Chemistry**
Packaging Of Molecular And Atomic Clusters in Molecular Sieves For Non-Linear Optical Devices. Dr. G. Stucky, Chem., U. of Calif., Santa Barbara. Chem. B250 at 1pm. Refreshments from 12:40pm. Call 228-3266.

Biochemistry Seminar
Mechanism Of Action Of Calmodulin Studied By Site-Directed Mutagenesis And Protein Engineering. Dr. Jacques Haiech, CNRS, Marseilles, France. IRC #4 at

March 11 –
March 24

4pm. Call 228-5989


 **Health Care/Epidemiology Seminar**
Stress And Coping In Married Couples. Anita DeLongis, Psychology, UBC. IRC 4th floor Boardroom from 12:30-1:30pm. Call 228-2258.

Medical Genetics Seminar
Population Based Studies In Genetic Epidemiology. Dr. Dessa Sadovnick, Med. Gen., UBC. IRC#4 at 8am. Call 228-5311.

Faculty Development Project Seminar
Ethical Dilemmas In The University. Drs. M. Arcus, C. Clark and T. Sork, UBC. Scarfe 1326 from 3:30-5:30pm. Call 222-5249.


WEDNESDAY, MAR. 21


Hispanic/Italian Studies Video Presentation
Trajan's Column. Half hour documentary in English on the column's friezes and life in Imperial Rome. Buchanan A202 at 12:30pm. Call 228-2268.

 **Seminar on Asian Development**
Dynamics Of Waste Recycling In Urban China. Christine Euredy, visitor to the Chinese Academy of Social Sciences and assoc. prof., Environmental Studies, York U. Asian Center Seminar rm. 604 at 3:30pm. Call 228-4688.

Pharmacology Seminar
Cell Cycle-Regulated Protein Kinase Cascades. Dr. Steven Poloch, asst. prof., Medicine/Biomedical Research Centre, UBC. IRC #5 from 11:30am-12:30pm. Call 228-2575.


Ecology/Resource Ecology Seminar
Simple Models For Plant-Herbivore Interactions. Leah Keshet, Mathematics, UBC. BioSciences 2449 at 4:30pm. Call 228-2731.

 **Regent College Special Lecture**
How To Serve God In A Post-Communist World: The Churches In Eastern Europe. Dr. John Conway, History, UBC. Regent College 100 from 11am-12noon. Call 224-3245.

 **Noon Hour Concert**
Mary Ann Donovan, soprano; William Benjamin, piano. Tickets \$2 at the door. Music Recital Hall at 12:30pm. Call 228-3113.

THURSDAY, MAR. 22

Physics Colloquium
Planetary Magnetism. Dr. David Strangway, President, UBC. Hennings 201 at 4pm. Call 228-6533/3853.

 **Distinguished Lecture Series Robotics/Automation**
Robots In Unstructured Environments. Dr. Richard P. Paul, Computer/Information Sciences, U. of Pennsylvania. Scarfe 100 from 1-2pm. Call 228-6894.

Cecil/Ida Green Visiting Professors Medical Lecture
Hazards Of Low-Level Radiation: Have We Underestimated The Risks? Sir


Richard Doll, Prof. Emer., Medicine, Oxford U. IRC #6 at 12:30pm. Call 228-5675.

Medical Seminar
Alcohol and Cardiovascular Disease. Sir Richard Doll (see above). Ponderosa C-102 (Statistics) at 4pm. Call 228-5675.

Psychology Colloquium
How Children Constrain The Meanings Of Words. Dr. Ellen Markman, Stanford U. Kenny 2510 at 4pm. Call 228-2755.

Psychiatry Academic Lecture Program
Breakfast meeting co-sponsored with BCMA Section of Psychiatry. Personality Disorder In Anorexia And Bulimia-A Changing Profile. Dr. Sidney Kennedy, assoc. prof., Psychiatry, Toronto General Hospital. BC Cancer Foundation Auditorium from 8-9am. Call 228-7325.

Hispanic/Italian Studies Second Graduate Students' Symposium
David Clewlow, Lucia Hoess, Monica Lee and Bernhardt Schulz-Cruz. Buchanan Penthouse from 10am-12noon. Free coffee. Call 228-2268.

 **UBC Wind Ensemble**
David Branter, director. Free admission. Old Auditorium at 12:30pm. Call 228-3113.


FRIDAY, MAR. 23

Religious Studies Lecture
Myth And The Modern State: Ritual Murder Trials Against Jews In Central Europe. Dr. Hillel Kieval, Chair, Jewish Studies Program, U. of Washington. Buchanan A202 at 12:30pm. Call 228-5825.

Fisheries/Aquatic Sciences Seminar
Biomass Size Spectrum For The Complete Lake Michigan Pelagic Food Web. Gary Sprules, U. of Toronto. BioSciences 2361 at 3:30pm. Call 228-2731.

Chemical Engineering Weekly Seminar
Pulping of Bagasse. V.K. Thangavel, Graduate student, Chem. Eng., UBC. Chem. Eng. 206 at 3:30pm. Call 228-3238.

Cecil/Ida Green Visiting Professors Medical Seminar
Occupational Cancer: The Recognition Of Small Risks. Sir Richard Doll, prof. Emeritus, Medicine, Oxford U. James Mather 253 at 9am. Call 228-5675.

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

UBC Wind Ensemble
David Branter, director. Free admission. Old Auditorium at 8pm. Call 228-3113.

SATURDAY, MAR. 24

Solo Percussion Concert
A spectrum of music: classical, ethnic, contemporary. Robin Reid and guests. Free admission. School of Music Recital Hall at 2:30pm. Call 228-3113.


NOTICES


THE VANCOUVER INSTITUTE

 **Sat. Mar. 17**
An Ancient Masterpiece Recreated: The Parthenon In Nashville. Prof. Brunilde Ridgway, Classical/Near Eastern Archaeology, Bryn Mawr College, Pennsylvania.

Sat. Mar. 24
Progress Against Cancer: An Epidemiologist's Assessment. Sir Richard Doll, Prof. Emeritus of Medicine, Oxford University, England.


All lectures at 8:15 pm in IRC #2.

 **Frederic Wood Theatre**
Herr Puntilla And His Servant Matti by Bertolt Brecht. Director, Arne Zaslove. Continues until Sat. Mar.17. Reservations recommended. Curtain time, 8pm. Tickets from FWT 207 or call 228-2678.

 **Spring Break Tours for High School Students**
Free guided walking tours for prospective undergraduate students. Familiarize yourself with UBC programs and facilities. Depart Brock Hall 204D at 10am, Mon., Wed. and Fri., Mar. 19, 21 and 23. Call 228-4319.

Centre for Continuing Education Workshop
Personal Effectiveness: Resolving Interpersonal Issues. Dr. Arthur Ridgeway, Reg. psychologist. Short lectures, structured exercises and group discussions. Fee: \$120. Sat./Sun., Mar. 17/18, 9am-5:30pm. (Bring lunch.) Health Sciences Psych. Unit 2N A/B. Call 222-5238.

Lecture Series
Making The Right Personal Fitness Choices. Alena Brande, Phys. Ed., UBC. Suitable for adults of all ages and fitness levels. Fee: \$65. Tuesdays, Mar. 20-Apr. 24 from 7:30-9:30pm, IRC #3. Call 222-5237.

 **UBC Speakers Bureau**
More than 200 faculty and professional staff available to speak to your group, usually free of charge. Topics range from Sea Monsters to Children's Literature. Call 228-6167.

International House Volunteers Needed
English tutors to assist non-English speaking students. Application forms available at International House. Call Jenise Yue/Donald Ng at 228-5021.

Sun-Damaged Skin Study
Volunteers 35-70 years. Able to attend 6 visits over 12 month period. Honorarium paid participants. Call 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 5 nights. Call Carmen Ramirez at 228-7927.

Psychology Study
Individuals 25 years and older are required for a research project on colour vision changes during adulthood. Visual testing takes about 2 hours. Kenny Bldg. 3302.

Call 228-6220.

Career Development Study
Research study on communication between parents and adolescents regarding career and educational choices. Adolescents aged 12-19 and one parent needed to participate in an interview. Call Dr. Richard Young at 228-6380.

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.

Daily Rhythms Study
Volunteers needed, aged 30-40 and living with a heterosexual partner, to keep a daily journal (average 5 min. daily) for 4 months. Participants will look for patterns in their physical and social experiences. Call Jessica McFarlane at 228-5121.

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


Back Pain Research
Volunteers needed for magnetic resonance imaging of healthy spines-men and women aged 18-60, non-pregnant, no pacemakers, no intracranial clips and no metal fragments in the eye. University Hospital employees excluded. Call June 8am and 4pm, Monday-Thursday at 228-7720.

Psychology Study
Opinions of teenage girls and their parents on important issues surfacing in family life. Volunteers needed: 13-19 year old girls and one or both of their parents. Call Lori Taylor at 733-0711.

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.

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. Call 228-4037. Forms for appointments available in Room 210, Ponderosa Annex C.

Volunteering
To find an interesting and challenging volunteer job, get in touch with Volunteer Connections, Student Counselling and Resources Centre, Brock Hall 200 or 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).

Walter Gage Toastmasters
Public Speaking Club Meetings. Speeches and tabletopics. Guests welcome. Wednesdays in SUB at 7:30pm. Call Sulan at 597-8754.


Agricurl
Late afternoon curling. Experienced curlers and those wishing to learn are welcome. Thunderbird, Tuesdays, 5:15-7:15. Call Paul Willing, 228-3560 or Alex Finlayson, 738-7698 (eve.)

Badminton Club
Faculty, staff and grad student Badminton Club meets Thursdays, 8:30-10:30pm and Fridays, 6:30-8:30pm in Gym A of the Robert Osborne Sports Centre. Fees, \$15 until April with valid UBC Library card. Call Bernard at 731-9966.


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

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

Neville Scarfe Children's Garden
Located west of the Education Building. Free admission. Open all year. Families interested in planting, weeding and watering in the garden, call Jo-Anne Naslund at 434-1081 or 228-3767.

 **Botanical Garden**
Open every day. Until March 17, from 10am-3pm. March 17-31, open 10am-5pm. April and May, open 10am-7pm.

Nitobe Garden
Open Monday to Friday, 10am-3pm until March 17. After March 17, open every day. March 17-31, 10am-5pm. April and May, 10am-7pm.




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Researchers trying to build more efficient wheelchair

By JO MOSS

If people with disabilities were better matched to their wheelchairs, they might be more mobile and free from injury, a UBC Physical Education professor says.

About 22,000 Canadians spend the majority of their lives in a wheelchair, yet little research has been done on how to help select the best chair from the more than 100 models available.

"One of the questions I have is can we do a better job in matching people to a wheelchair," said David Sanderson, a biomechanics professor in the School of Physical Education. "How many people are out there functioning far below their potential because they've got a bad match?"

Sanderson, who is director of the school's biomechanics lab, and Jan Bednarczyk, a physiotherapist and graduate student in Physical Education, hope to change that situation by identifying factors to consider in selecting a chair.

To establish criteria, they are beginning a research study to determine how disabled people use their muscles to push their chair in daily activity.

"We don't know a whole lot about which muscles are active and how that

is affected by the person's disability," Sanderson said. "Yet we are asking people to use these muscles to push a chair, just assuming they'll figure out a way to do it."

Another problem for wheelchair occupants is overuse injuries. If an able-bodied person strains a muscle they may limp around for a few days, perhaps with the assistance of a crutch, but people in a wheelchair may find their mobility severely restricted by injury.

"If you only have four muscles working in your arms and one of them becomes injured, how can you rest it?" Bednarczyk said. "We want to be able to prevent overuse injuries caused by improper fit and to know how to alter the wheelchair fit to allow injured muscles to rest."

Sanderson and Bednarczyk plan to test disabled people who are not elite athletes to provide information that's more valuable for the average disabled person. Previous wheelchair mobility studies have involved long-distance testing which requires chair occupants to be extremely fit.

"We have chosen activities which are similar to the kinds of wheeling activities involved in every day life—

short-distance level and short-distance incline wheeling," Sanderson said.

The two researchers are currently looking for 40 wheelchair volunteers between the ages of 19 and 50 who have a spinal cord injury and spend most of their day in a wheelchair.

The one-year study is funded by the B.C. Medical Services Foundation and assisted by the Canadian Paraplegic Association.

A Vancouver medical equipment distributor, B.C. Mediquip, is supplying four wheelchairs for the project which are representative of ones currently available.

After undergoing a full clinical assessment, participants will be asked to wheel their chairs a short distance on level ground and on an incline.

High speed filming, surface electrodes attached to several arm and shoulder muscles and heart-rate monitors will be used to give a complete picture of the wheeling action and allow researchers to determine which joints and muscles are working.

The incline wheeling will be based on current national building codes, but Sanderson speculates that standard incline may be too steep for some volunteers.



Photo by Media Services

Jaimie Borisoff has volunteered his time and body to science. He is taking part in a Physical Education project to determine how better to match disabled people to wheelchairs.

Advice on reforms

Forester going to Moscow

By JO MOSS

UBC forestry expert David Haley is off to Moscow to play a part in Soviet perestroika.

Haley has been invited by the Soviet government to bring Canadian expertise to aid economic reform in the forestry sector.

"We will be helping them to set the groundwork for a more efficient forest land management system," said Haley, who recently wrote a paper on forest administration in Canada for a leading Soviet forestry journal. "It's pretty exciting because it allows us in a small way to influence what goes on in the Soviet Union."

Haley is taking Russian classes in preparation for his three-week trip when he will meet senior government officials and lecture at forestry schools in Moscow and Leningrad. It will hopefully be the first of many such exchanges and may pave the way for a close partnership between UBC's forestry faculty and Soviet forest schools, he said.

Haley's invitation to the Soviet Union comes as a result of a visit to UBC last year by the leading Soviet forester Anatoly Petrov. The 1989 MacMillan Lecturer, Petrov became interested in Canada's system for administering public forest lands, Haley explained.

"They are very interested in how our Crown lands are licensed to the private sector," said Haley, who with University of Alberta professor Martin Luckert recently completed a comprehensive survey of Canada's forest leasing contracts.

The Soviet government has identified a revitalized forestry and forest industry sector as part of its general reform of the country's political and economic systems. Started in 1987, reform will continue in a five-year plan scheduled to begin in 1991.

The government plans to establish

better linkages between state forests and state-controlled forest enterprises and set up a system of accountability within an improved forest management planning system.

The USSR also wants to attract foreign investment by establishing joint ventures with forest companies overseas, a proposal Canadian companies could be the first to take advantage of.

Haley said Canada and the Soviet Union share many features which make exchange of information and technology a mutual learning experience. Forests in both countries are located in about the same latitudes where they share a similar climate and correspond-

ing tree species. Both implement forest harvesting and management schemes over large areas on land that is primarily government owned.

Economically, forestry in the Soviet Union represents about 2.2 per cent of the Gross National Product; in Canada it represents about 3 per cent of the GNP.

"Canadian and Soviet forestry practices and problems are related," Haley said. "It's important to Canada to establish this kind of linkage for exchange of knowledge and technical information. Over the long haul there are benefits to Canadian business and society."



Letters to the Editor

Pollution solution

Editor:

I am writing in response to A. Saunders' letter in UBC Reports, Feb. 8.

Saunders, along with David Suzuki, seems to feel that the solution to high traffic density and its concomitant pollution at UBC, is for the university to impose higher parking fees.

This will rid us of neither traffic nor pollution. It will become yet another tax the lowly commuter must bear in order to get to work.

The high cost of parking downtown has done little to reduce traffic congestion there. Those legions of us who can't afford housing in Vancouver and must live miles from our places of employment, have few options but to use a car.

Our family doesn't drive over 50 miles twice a day because we like it.

We have two workplaces and a daycare, strung across two municipalities, to get to and a car is the only way to manage in a reasonable amount of time.

What we need are ways to make commuting by car unnecessary, rather than merely punishing those who must resort to it: tax incentives for companies to relocate in the suburbs, stagger their hours of operation or set up home workstations for their employees; and a mass rapid transit system that is truly mass and rapid.

Higher parking costs won't keep commuters off the road, it will only make it more expensive for them to be there.

Sincerely,
Alan Doree
21577 Cherrington Ave.,
Maple Ridge, B.C.

Committee to Review Arts I Call for submissions

The Dean of Arts has established a Committee to Review the Arts I Program in terms of its value as an educational experience, its objectives, performance, and opportunities for improvement. The Committee has also been asked to consider the possibility of creating a fourth year intensive liberal arts program, perhaps named "Arts IV."

The Committee invites submissions, formal or informal, from any interested parties, and especially students and faculty who have been, or are participants in the ARTS I program. Please contact Dr. G. Egerton, Chair, Committee to Review Arts I, History Department, University of British Columbia, (228-5166 or 228-2561).

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Photo by Media Services

Steve Rak, head glassblower in the Chemistry Department, demonstrates his craft. During Open House March 9, 10, and 11, he will do creative glassblowing in Room 200 of the Chemistry Building at 2:30 p.m. Friday and 11:30 a.m. and 2:30 p.m. Saturday and Sunday.

Ottawa's cuts not likely to reduce funding: Strangway

By PAULA MARTIN

UBC administrators are confident that cuts in federal transfer payments to B.C. will not result in reduced levels of funding for post-secondary education.

Finance Minister Michael Wilson announced the \$1-billion cut in transfer payments to the provinces during his Feb. 20 budget speech. B.C.'s portion of the federal transfer payments will be trimmed by more than \$100-million.

But UBC President David Strangway said the province has never accepted that the transfer payments are earmarked for any purpose.

"The province has always done what it wishes with that money," he said. "There has never been a direct link between transfer payments and post-secondary education funding levels and it would be unfair to introduce it now."

Premier Bill Vander Zalm has said the cuts in transfer payments to B.C. essentially penalized the province for being in good economic shape.

Strangway said he hopes the provincial government remembers that philosophy when it comes to post-secondary education funding in next month's provincial budget.

"I don't think our universities, and UBC in particular, should be penalized for being successful in teaching and research and in competing for grant funds either," Strangway said.

Bruce Gellatly, vice-president, Administration and Finance, said funding levels for post-secondary education have not increased in the past with increases in transfer payments, "so we don't anticipate any decline in funding now that the payments have been reduced. There is no cause and effect relationship here."

Education has been one of the provincial government's priorities over the

past year. Last spring it announced its Access for All program to raise the participation rate of B.C. students in post-secondary education to national levels within a five-year period.

"I would really regret it if they feel it necessary to back off that commitment because as a province we must rise to the national level," Strangway said.

"It's a good program, which is reflected by the fact that enrolment is up in all parts of the post-secondary system in B.C. this year, and at both graduate and undergraduate levels."

'National problem' Wilson defends budget

By GAVIN WILSON

Finance Minister Michael Wilson told UBC students that it is up to Victoria to decide whether cuts in provincial transfer payments announced in the recent federal budget will affect B.C. universities.

Asked if the cuts will impact on post-secondary education here, Wilson said Ottawa has had no say over how provinces spend transfer payments since laws governing the payments were changed in 1977.

B.C.'s share of Established Program Financing, which is still nominally considered to cover the cost of provincial health care and post-secondary education, will be cut by more than \$100-million this year and \$1-billion over the next five years.

"We have had no influence over what happens to that funding. Let's just see what happens over the next period of time," he said.

Speaking to a largely partisan crowd that packed the SUB auditorium, Wilson defended the Mulroney government's economic policies, in-

cluding the General Sales and Services Tax and the Feb. 20 budget.

University administrators are also looking at the effects of the federal budget on funding for science and technology research.

Nearly \$40-million will be slashed from Ottawa's science and technology development program over the next two years.

The cuts will not affect scholarship and grant programs or the Centres of Excellence research program.

Rather, they will hit a variety of smaller programs, including the Strategic Technology Development Program.

Wilson acknowledged that B.C. faces a larger cut in federal transfer payments than many other provinces, but said it can afford to due to the strong provincial strong economy.

All Canadians must "share the burden" of lowering the country's deficit and debt.

"We've identified a national problem, now we're asking the provinces to participate in a national solution," he said. "You're the ones who will be paying taxes for the next 40 years. If we don't get this problem under control now it's you who will be bearing the burden."

Asked about recent changes to the federal student loan program, Wilson said they were only administrative in nature. He described the number of defaults and delinquent student loans as "excessive," saying the program's administration had to be tightened up.

Wilson's appearance on campus was sponsored by the UBC Progressive Conservative Club.

Counselling Psychology Colloquium

A QUALITATIVE APPROACH TO STUDY GROUPS

DATE: Thursday, March 29, 1990

TIME: 12:30 - 1:30 p.m.,

PLACE: Room 102, 5780 Toronto Rd., UBC

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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, March 12 at 4 p.m. is the deadline for the next issue of UBC Reports which appears on Thursday, March 22. Deadline for the following edition on April 5 is 4 p.m. Monday, March 26. All ads must be paid in advance in cash, by cheque or internal requisition.

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Miscellaneous

WANTED: Car pool or ride most days before 7:15 a.m. Champlain Heights to UBC Phone evenings - 434-4655 (Jim).

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THE GENDER GAP:

Women concerned about their safety

BY CONNIE FILLETTI

(This is the second of a two-part series on issues affecting women at UBC.)

Nancy Horsman, acting director of UBC's Office for Women Students, believes that UBC lags behind other major universities when it comes to making the campus a safe environment, not just for women but for gays and racial groups as well. She bases her opinion on the 32 years she has spent at the university, 17 of them as a counsellor in the Office for Women Students. She was also a student and lecturer at UBC.

"There is hate on this campus against women and gays," Horsman said. "Race hatred is pervasive at UBC and is growing worse."

Horsman contends that the administration is not doing enough to combat the problems. She said the sexual harassment policy is useful but the advisors, who hold part-time appointments, should be working on a full-time basis. Also, the policy does not address the problem of sexism which is another issue apart from sexual harassment, Horsman stressed. She suggests in addition to the appointment of a women's advocate that faculty committees be organized for women to report, in confidence, any incidence of sexism on campus.

Horsman said that women at UBC have had problems putting an end to activities that create an intimidating environment for them. She cited as examples the strip shows and wet t-shirt contests that take place on campus, as well as an annual engineering student tradition — the Lady Godiva Ride — which until this year featured a semi-nude female who was paraded around campus on horseback.

(UBC engineering students replaced this year's Lady Godiva Ride with a knight in armor leading a horse-drawn carriage. It carried both male and female engineering students, fully clothed, for a ride around the campus.)

"It may not be safe for women to involve themselves in a campaign to ban activities like these," Horsman said. "It comes down to men telling other men that these activities are demeaning to women, and that the oppressive atmosphere they create is their problem too."

Horsman said the murder of 14 female engineering students at Montreal's l'Ecole Polytechnique last December was a nightmare realized, and women at UBC have to take that threat seriously.

"We are hunted after dark, we are hunted in our homes and now we are hunted in our classrooms. Men can never know the fear as deeply as us," Horsman said.

Horsman said that in order to create a safe and healthy environment for both women and

men at UBC, the campus as a whole needs to address the issue of oppressive activities that impinge on the freedoms of others. Horsman attended a series of round table discussions initiated by President David Strangway to study women's concerns at UBC along with other members of staff, faculty, and the student population.

Axel Meisen, dean of the Faculty of Applied Science since 1985, said that engineering student activities which are in bad taste or offensive have been largely eliminated, partly because student leaders are more aware of the negative effects some of their activities have had.

Meisen also gives a lecture to engineering students at the beginning of first year about behavior in which he states that offensive conduct is incompatible with the code of ethics of the engineering profession. Additional lectures are given on ethics in the final year of the undergraduate engineering program.

The 1990-91 academic session will incorporate material into a final year course that gives a theoretical and conceptual overview of problems pertaining to racism and sexual harassment, said Meisen. The subject matter will include the presentation of several case histories as well.

Martha Salcudean, in her fifth year as head of Mechanical Engineering, has always opposed activities like the Lady Godiva Ride. She considers them a bad tradition that could have emerged from any male dominated profession. She wants people to remember that engineering students were the victims of the Montreal massacre and that the profession shouldn't be blamed for the distorted value system of one man who was responsible for the violence.

"I just accept the obscenities as part of the engineering culture, but ignore it most of the time because I'm too busy studying."

Salcudean said that she has had no complaints from her female students about gender-related safety issues during her term as a department head.

Michelle Yu, a third-year Chemical Engineering student at UBC, said she feels accepted by her male colleagues and does not consider herself threatened or intimidated by them.

"Foul language occurs often in the classroom, but it's not particularly directed at women or any one race," said Yu. "I just accept the obscenities as part of the engineering culture, but ignore it most of the time because I'm too busy studying."

The Montreal murders affected both female and male engineers at UBC, according to Engineering Undergraduate Society (EUS) President Scott Kent.

Kent said the enormity of the tragedy has made engineers reflect on how some engineering traditions would be perceived from now on. But one of his main responsibilities is to represent the interests of UBC engineers and keep their spirits raised, he said.

In a statement he made before this year's

version of the ride, Kent announced that new plans for the event were not made to appease Strangway, but because engineering students recognize that they live in a dynamically changing society with respect to equality. They are concerned with integrating themselves in, and contributing to, these changes in a positive manner, Kent said.

Strangway expressed his conviction that the EUS will continue to exercise good judgment, and ban the ride permanently.

Responding to concerns that women studying engineering at UBC do so in a hostile and sexist environment, Kent said that female students are being treated like their male peers.

"We don't put women on a pedestal. They are treated no differently in the classroom than anyone else," Kent said.

Numerous suggestions on ways to improve the physical safety of women on campus have emerged as a direct result of Strangway's round table discussions.

Vanessa Geary, former AMS coordinator of external affairs who also participated in the talks, said emergency telephones, expanded shuttle bus service at night, re-landscaping the campus and better lighting are among the ideas that have been proposed.

As a prominent student advocate of women's issues, Geary no longer feels safe on campus, especially since the Montreal massacre.

"The anti-feminist feeling on campus makes me feel nervous," she said. Geary's apprehensions have been affirmed by the number of times she has seen posters promoting feminist activities on campus defaced with anti-feminist slogans. She is also disturbed by the number of assaults which allegedly take place on campus each year.

Sergeant Brian Muir of the University Endowment Lands detachment of the RCMP said they registered 12 reports of sexual assault for the University Endowment Lands in 1989, five of those on the UBC campus. Three of those assaults were date related, Muir said.

K.D. Srivastava, vice-president of Student and Academic Services, confirmed that his office also receives complaints each year. Although he believes the number of incidents brought to his attention is probably higher than those registered with the RCMP, Srivastava said accurate statistics were difficult to obtain because not all cases of sexual assault are reported.

Geary said she does not feel equal to her male colleagues because of the gender-specific language and teaching materials she finds rampant in the classroom.

As a fourth-year Arts student specializing in International Relations, Geary explained that she encounters this type of sexism on a regular basis. She believes that much of it is unintentional and that some faculty members try to correct themselves. But references such as "mankind" still find their way into the lecture halls. She is also aware of the lack of women authors studied in some of her courses.

Geary applauded Strangway's round table discussions, saying they have opened up an important dialogue. But in addition to discussion about violence and personal safety, she would like guidelines established to deal with gender-specific language and teaching materials, man-

datory courses in gender relations and published reports of sexual assaults on campus, taking them out of the realm of rumor and alerting women at UBC that the danger is real.

Guidelines for non-sexist language were drafted several months ago, an initiative undertaken by Daniel Birch, vice-president Academic, and Provost.

The guidelines propose different phrasing that can be used to make written university documents, such as the policies and procedures manual, gender neutral. Suggestions on the draft have been received from the Status of Women subcommittee of the Faculty Association and the Provost's Advisory Committee on Women's Studies. Consideration is now being given to ways of implementing guidelines for long-lasting change in the university community.

"I am committed to a simple policy which indicates that official UBC communications will use gender inclusive language," Birch said.

Until policies and programs additional to the ones already mentioned can be initiated, women at UBC presently have several other services to call upon for help with issues of particular concern to them. They include:

- The outreach program of UBC's Student Health Services which offers a referral service to victims of sexual assault.
- The Women's Resource Centre operated by UBC's Centre for Continuing Education which offers a free drop-in counselling, information and referral service, personal development and career programs.
- Speakeasy, sponsored by the AMS and the Office for Women Students, a peer counselling and information centre located in SUB. It is available to students Monday to Friday.

"Not enough has been done in the past and we must do much more in the future. But we are becoming aware of the issues. There are things we can do and we'll do them."

- UBC's Student Counselling and Resources Centre provides counselling, workshops, panel discussions and special programs for both men and women.

- RCMP officers, male and female, from the University Endowment Lands detachment offer free information sessions to campus groups upon request.

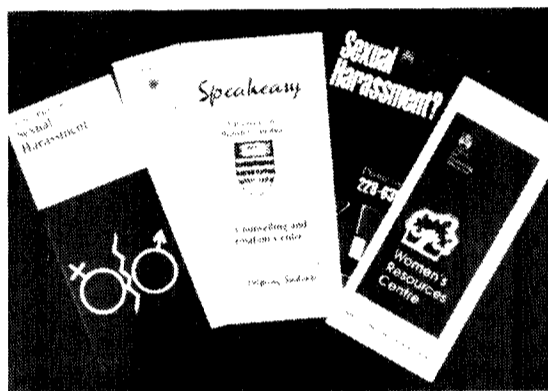
- UBC has also formed a group to determine if a centre against violence should be established on campus in response to the perception that violent activities are increasing in society.

Directed by Birch, the group is comprised of staff members from various disciplines including Education, Medicine, Psychology and Sociology.

If established, the centre will research, identify and analyse violence-related issues and factors leading to violent events.

Strangway said the plan of action UBC will follow once the round table discussions have concluded depends on the information and recommendations gathered.

"Not enough has been done in the past and we must do much more in the future," Strangway said. "But we are becoming aware of the issues. There are things we can do and we'll do them. We can never solve all of society's problems, but we can act to improve the quality of life for everyone, male and female, who studies and works at UBC."



Axel Meisen